Starrett®

Precision, Quality, Innovation

ELECTRONIC PRECISION HAND TOOLS

Micrometers

Calipers

Height Gages

Depth Gages

Indicators

Bore Gages

Testers

TABLE OF CONTENTS

ICON LEGEND

Industry 4.0

Equipped with an output to allow for connection to wired or wireless data collection systems. Useful for quality control and tracking.

INDUSTRY 4.0

IP Protection

An IP number is composed of two numbers, the first referring to protection against solid objects and the second against liquids.
First number 6: High level protection against dust
Second number 7: Protection against submersion in water up to 1 meter of depth for 30 minutes

IP67

Wireless

Internal/ embedded wireless communication capability.

NEW AND IMPROVED!

BENEFITS/UPGRADES ON THE NEW ELECTRONIC MICROMETERS (WITH OUTPUT)

- IP67 Protection on the wireless and regular type of 733.1 1-4"/0-100mm, 756.1, 788.1, & 760.1
- Ergonomic frame design
  - Comfortable to use
  - Modern look
  - Insulated frame
- Upgraded Electronics
  - Larger readout display
  - Improved button feel
- Auto OFF after 20 minutes
- Advanced locking mechanism
- Equipped with RS232 output is ideal for use with DataSure Wireless Data Collection Systems or Multiplexer Input
- Competitive price point
- Rechargeable battery on wireless type

IP67

Starrett®

Electronic Micrometer

733.1 Electronic Micrometers (with output)

0-24"/0-600MM

The newly designed 733.1 is a full function electronic digital readout outside micrometer with IP67 level of protection for 0-4"/0-100mm ranges only.

The balanced and tapered frame provides comfortable and accurate measuring and gives the right feel during use.

Cat. No.	EDP	Range	Cat. No.	EDP	Range
733.1 Electronic Micrometers with Output - IP67					
Friction Thimble, Spindle Lock, Shell and Thimble					
Inch Grads			**Metric Grads**		
733.1XFL-1	72529	0-1"	733.1MEXFL-25	71032	0-25mm
733.1XFLZ-2	72630	1-2"	733.1MEXFLZ-50	72462	25-50mm
733.1XFLZ-3	72697	2-3"	733.1MEXFLZ-75	72528	50-75mm
733.1XFLZ-4	72698	3-4"	733.1MEXFLZ-100	71280	75-100mm
733.1 Electronic Micrometers with Output - Non IP67					
733.1XFLZ-5	72699	4-5"	733.1MEXFLZ-125	71368	100-125mm
733.1XFLZ-6	72774	5-6"	733.1MEXFLZ-150	71574	125-150mm
733.1XFLZ-7	72775	6-7"	733.1MEXFLZ-175	71670	150-175mm
733.1XFLZ-8	72776	7-8"	733.1MEXFLZ-200	72003	175-200mm
733.1XFLZ-9	72777	8-9"	733.1MEXFLZ-225	72041	200-225mm
733.1XFLZ-10	72530	9-10"	733.1MEXFLZ-250	72124	225-250mm
733.1XFLZ-11	72536	10-11"	733.1MEXFLZ-275	72126	250-275mm
733.1XFLZ-12	72585	11-12"	733.1MEXFLZ-300	72128	275-300mm
733.1XFLZ-13	72586	12-13"	733.1MEXFLZ-325	72173	300-325mm
733.1XFLZ-14	72587	13-14"	733.1MEXFLZ-350	72174	325-350mm
733.1XFLZ-15	72590	14-15"	733.1MEXFLZ-375	72177	350-375mm
733.1XFLZ-16	72626	15-16"	733.1MEXFLZ-400	72178	375-400mm
733.1XFLZ-17	72627	16-17"	733.1MEXFLZ-425	72282	400-425mm
733.1XFLZ-18	72628	17-18"	733.1MEXFLZ-450	72449	425-450mm
733.1XFLZ-19	72629	18-19"	733.1MEXFLZ-475	72450	450-475mm
733.1XFLZ-20	72631	19-20"	733.1MEXFLZ-500	72465	475-500mm
733.1XFLZ-21	72632	20-21"	733.1MEXFLZ-525	72466	500-525mm
733.1XFLZ-22	72633	21-22"	733.1MEXFLZ-550	72470	525-550mm
733.1XFLZ-23	72634	22-23"	733.1MEXFLZ-575	72475	550-575mm
733.1XFLZ-24	72674	23-24"	733.1MEXFLZ-600	72527	575-600mm

Sets			
Cat. No.	EDP	Range	Description
S733.1BXFLZ	60394	0-6"	Electronic micrometer set (set of 6) includes 733.1XFL-1 thru 733.1XFL-6 (IP67 0-4" only)
S733.1CXFLZ	60395	0-12"	Electronic micrometer set (set of 12) includes 733.1XFL-1 thru 733.1XFL-12 (IP67 0-4" only)

Cables and Accessories		
Part No.	EDP	Description
795.1SCM	01124	Smart Cable to multiplexer
795.1SCKB	01125	USB Cable to PC (In focused window)
795.1SCU	01126	Smart Cable with USB keyboard output
PT99492	65650	Two 3-Volt Batteries, CR2032

All 733.1 Micrometers include a protective case.
All except 1" & 25mm sizes furnished with standards.

Features and Specifications

- IP67 protection against coolants, water, chips, dust and dirt (ranges 0-4"/0-100mm only)
- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Starrett no-glare satin chrome finish on thimble and sleeve
- Micro-lapped carbide measuring faces
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Balanced and tapered frame
- Extremely hard and stable one-piece spindle
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Smooth friction thimble for uniform pressure
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Spindle lock
- Resolution: .00005" (0.001mm)
- Accuracy +/-.0001" (+/-.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits

IP67

INDUSTRY 4.0

Wireless Electronic Micrometer

W733.1 Electronic Outside Micrometer

0-6"/0-100MM

Starrett innovation brings a truly wireless micrometer. Keeping with the same features as the 733.1 electronic micrometers, these are now equipped to send data with the push of a button. IP67 ratings (1-4"/0-100MM models) to help protect against coolant, water, chips, dirt and dust.

W733.1 Electronic Outside Micrometer with Inch Grads		
Cat. No.	**EDP**	**Range**
W733.1XFL-1	60585	0-1"
W733.1XFLZ-2	60586	1-2"
W733.1XFLZ-3	60587	2-3"
W733.1XFLZ-4	60588	3-4"
W733.1XFLZ-5	60589	4-5"
W733.1XFLZ-6	60590	5-6"
SW733.1BXFLZ	60608	0-6" micrometer set
W733.1 Electronic Outside Micrometer with Metric Grads		
Cat. No.	**EDP**	**Description**
W733.1MEXFL-25	60582	0-25mm
W733.1MEXFLZ-50	60583	25-50mm
W733.1MEXFLZ-75	60584	50-75mm
W733.1MEXFLZ-100	60581	75-100mm

All W733.1 Micrometers include a protective case.
All except 1" & 25mm sizes furnished with standards.

Features and Specifications

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle- the heart of our accuracy!
- Micro-lapped carbide measuring surfaces
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm)
- Resolution .00005" (0.001mm)
- Rechargeable battery
- Embedded radio allows to send data up to 30' with no end nodes or cables
- IP67 rating (1-4" Models)
- Ability to set minimum and maximum limits

IP67

W733.1XFL-1

Starrett®

Electronic Micrometers

3732.1 Electronic Micrometers (non output)

0-6"/0-150MM

The 3732.1 Electronic Micrometer is a full-featured precision measuring tool built with customary Starrett quality and workmanship. The 3732.1 includes a large, easy-to-read, high contrast LCD digital readout for clear readings. With its auto OFF functionality, smooth friction thimble for uniform pressure, and balanced frame design, the 3732.1 provides comfortable and accurate measuring.

3732.1 Inch/Metric Micrometers without Output							
Cat. No.	EDP	Range		Resolution		Accuracy	
		in	Approx. mm	in	mm	in	mm
3732.1XFL-1	12268	0-1	0-25.4	.0001"	0.001	± .0001"	± 0.002
3732.1XFL-2	12269	1-2	25.4-50.8	.0001"	0.001	± .0001"	± 0.003
3732.1XFL-3	12270	2-3	50.8-76.2				
3732.1XFL-4	12271	3-4	76.2-101.6	.0001"	0.001	± .00015"	± 0.004
3732.1XFL-5	12272	4-5	101.6-127	.0001"	0.001	± .00015"	± 0.004
3732.1XFL-6	12273	5-6	127-152.4				
3732.1 Metric/Inch Micrometers without Output							
Cat. No.	EDP	mm	Approx. in	mm	in	mm	in
3732.1MEXFL-25	12274	0-25	0-.984	0.001	.0001"	± 0.002	± .0001"
3732.1MEXFL-50	12275	25-50	.984-1.968	0.001	.0001"	± 0.003	± .0001"
3732.1MEXFL-75	12276	50-75	1.968-2.953				
3732.1MEXFL-100	12277	75-100	2.953-3.937	0.001	.0001"	± 0.004	± .0001"
3732.1MEXFL-125	12278	100-125	3.937-4.921	0.001	.0001"	± 0.004	± .0001"
3732.1MEXFL-150	12279	125-150	4.921-5.905				
3732.1 Inch/Metric Micrometer Sets without Output							
Cat. No.	EDP	in	mm	Description			
S3732.1BXFLZ	12726	0-1 to 3-4	0-25.4 to 76.2-101.6	0 to 4 inch set of four micrometers in metal case			
S3732.1CXFLZ	12727	0-1 to 5-6	0-25.4 to 101.6-152.4	0 to 6 inch set of six micrometers in metal case			
3732.1 Micrometer Accessories							
Part No.	EDP	Description					
PT99492	65650	CR2032 3-volt battery for 3732.1 Micrometers					

All electronic micrometers include protective case

Features and Specifications

- Auto OFF after 30 minutes of nonuse
- .250" (6.35mm) spindle diameter
- No-glare black wrinkle finish on frame
- No-glare satin chrome finish on thimble and sleeve
- Ring-type knurled lock nut for quick and sure locking
- English/Metric models feature inch graduations on shell and thimble
- Metric/English (ME) models have mm graduations on shell and thimble
- Instant inch/millimeter conversion
- Measurement HOLD button
- Ability to zero tool at any position
- Ability to retain and return to the true zero reading of the micrometer
- PRESET button to install any reading at any position
- Includes one 3-volt battery for over one year of normal usage

3732.1XFL-4

3732.1XFL-1

S3732.1CXFLZ

Anvil Micrometers

714.1 Electronic Interchangeable Anvil Outside Micrometers (with output)

0-24"

The newly designed 714.1 is very popular in machine or automotive repair shops and for all applications requiring a single micrometer with range greater than 1".

Each micrometer is equipped with a series of easily interchangeable anvils, thus providing the full range in steps of 1" with a single micrometer. Suitable wrenches are furnished to make necessary adjustments.

The balanced and tapered frame provides comfortable and accurate measuring and gives the right feel during use.

714.1 Electronic Interchangeable Anvil Micrometer		
Friction Thimble, Spindle Lock, Shell and Thimble Inch Grads		
Cat. No.	EDP	Range
714.1AAFLZ	72788	0-4"
714.1AFLZ	72789	2-6"
714.1BFLZ	72790	6-9"
714.1GFLZ	72794	6-12"
714.1CFLZ	72795	9-12"
714.1DFLZ	72798	12-16"
714.1EFLZ	72799	16-20"
714.1JFLZ	72800	20-24"
Cables and Accessories		
Part No.	EDP	Description
795.1SCM	01124	Smart Cable to multiplexer
795.1SCKB	01125	USB Cable to PC (In focused window)
795.1SCU	01126	Smart Cable with USB keyboard output
PT99492	65650	Two 3-Volt Batteries, CR2032

Adjusting wrenches furnished with each tool.
Micrometer furnished in protective case with 234 Standards.

Features and Specifications

INDUSTRY 4.0

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Extremely hard and stable one-piece spindle
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Smooth friction thimble for uniform pressure
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Spindle lock
- Resolution: .00005" (0.001mm)
- Accuracy +/-.0001" (+/-0.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits

Starrett ®

Wireless Anvil Micrometer

W714.1 Electronic Interchangeable Anvil Outside Micrometer

0-12"

Starrett innovation brings a truly wireless micrometer. Keeping with the same features as the 714.1 electronic micrometers, these are now equipped to send data with the push of a button.

W714.1 Electronic Interchangeable Anvil Outside Micrometer with Inch Grads		
Cat. No.	EDP	Range
W714.1AAFLZ	60578	0-4"
W714.1AFLZ	60579	2-6"
W714.GFLZ	60580	6-12"

Adjusting wrenches furnished with each tool
Micrometer furnished in protective case with 234 standards

Features and Specifications

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle-the heart of our accuracy!
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm)
- Resolution .00005" (0.001mm)
- Rechargeable battery
- Embedded radio allows to send data up to 30' with no end nodes or cables

Micrometers

MULTI ANVIL MICROMETERS

790.1 ELECTRONIC MULTI-ANVIL MICROMETERS (WITH OUTPUT)

0-2"/0-50MM

The newly designed 790.1 will handle a wide variety of measurements impossible to obtain with regular micrometers, such as measuring the wall thickness of tubing, cylindrical walls from a hole or slot to an edge, many hard-to-reach locations, and thickness of screw heads, shoulder lengths, etc.

The balanced and tapered frame provides comfortable and accurate measuring and gives the right feel during use.

790.1 Electronic Multi-Anvil Micrometer With Round and Flat Anvils					
Friction Thimble, Spindle Lock, Shell and Thimble					
Inch Grads			Metric Grads		
Cat. No.	EDP	Range	Cat. No.	EDP	Range
790.1AFL-1	72859	0-1"	790.1MEAFL-25	72860	0-25mm
790.1AFL-2	72866	1-2"	790.1MEAFL-50	72867	25-50mm
Cables and Accessories					
Part No.	EDP	Description			
795.1SCM	01124	Smart Cable to multiplexer			
795.1SCKB	01125	USB Cable to PC (In focused window)			
795.1SCU	01126	Smart Cable with USB keyboard output			
PT99492	65650	Two 3-Volt Batteries, CR2032			

Furnished with two hardened anvils-round anvil approximately .120 diameter and flat anvil approximately .125" thick
V-Anvil only, order PT13017 (EDP 71399)

FEATURES AND SPECIFICATIONS

INDUSTRY 4.0

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Extremely hard and stable one-piece spindle
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Smooth friction thimble for uniform pressure
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Spindle lock
- Resolution: .00005" (0.001mm)
- Accuracy +/-.0001" (+/-0.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits

W790.1 WIRELESS ELECTRONIC MULTI ANVIL MICROMETER

0-1"

Starrett innovation brings a truly wireless micrometer. Keeping with the same features as the 790.1 electronic micrometers, these are now equipped to send data with the push of a button.

W790.1 Electronic Multi Anvil Micrometers with Inch Grads		
Cat. No.	EDP	Range
W790.1AFL-1	60604	0-1"

Furnished with two hardened anvils-round anvil approximately .120 diameter and flat anvil approximately .125" thick
V-Anvil only, order PT13017 (EDP 71399)

FEATURES AND SPECIFICATIONS

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle-the heart of our accuracy!
- Micro-lapped carbide measuring surface
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm)
- Resolution .00005" (0.001mm)
- Rechargeable battery port
- Embedded radio allows to send data up to 30' with no end nodes or cables

Starrett®

Sheet Metal Micrometers

764.1 Electronic Sheet Metal Micrometers (with output)

0-1"

The newly deigned 764.1 micrometer reaches over the edge of sheet metal to take measurements away from the edge toward the center. Also for gaging jobs where a deep throat micrometer is needed. Rounded anvil gives a point of contact for more accurate gaging.

The balanced and tapered frame provides comfortable and accurate measuring and gives the right feel during use.

764.1 Electronic Sheet Metal Micrometer, 6" Throat Depth with Round or Flat Anvil		
Friction Thimble, Spindle Lock, Shell and Thimble		
Inch Grads		
Cat. No.	**EDP**	**Range**
764.1AXFL	72814	0-1", Round Anvil
Cables and Accessories		
Part No.	**EDP**	**Description**
795.1SCM	01124	Smart Cable to multiplexer
795.1SCKB	01125	USB Cable to PC (In focused window)
795.1SCU	01126	Smart Cable with USB keyboard output
PT99492	65650	Two 3-Volt Batteries, CR2032

Packed one in a box without case

Features and Specifications

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System

INDUSTRY 4.0

- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Extremely hard and stable one-piece spindle
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Smooth friction thimble for uniform pressure
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Spindle lock
- Resolution: .00005" (0.001mm)
- Accuracy +/-.0001" (+/-0.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits

W764.1 Wireless Electronic Sheet Metal Micrometer

0-1"

Starrett innovation brings a truly wireless micrometer. Keeping with the same features as the 764.1 electronic micrometers, these are now equipped to send data with the push of a button.

W764.1 Electronic Sheet Metal Micrometer with Inch Grads		
Cat. No.	**EDP**	**Range**
W764.1AXFL-1	60597	0-1"

Packed one in a box without case
Flat anvil available upon request

Features and Specifications

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle-the heart of our accuracy!
- Micro-lapped carbide measuring surfaces
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm)
- Resolution .00005" (0.001mm)
- Rechargeable battery
- Embedded radio allows to send data up to 30' with no end nodes or cables

TUBE MICROMETERS

769.1 ELECTRONIC TUBE MICROMETERS (WITH OUTPUT)

0-1"

The newly designed 769.1 used for measuring the wall thickness of tubing and other parts with cylindrical walls. Also for measuring from a hole to an edge (minimum hole size 3/16").

The balanced and tapered frame provides comfortable and accurate measuring and gives the right feel during use.

769.1 Tube Micrometers		
Friction Thimble, Spindle Lock, Shell and Thimble		
Inch Grads		
Cat. No.	**EDP**	**Range**
769.1AXFL	72817	0-1"
Cables and Accessories		
Part No.	**EDP**	**Description**
795.1SCM	01124	Smart Cable to multiplexer
795.1SCKB	01125	USB Cable to PC (In focused window)
795.1SCU	01126	Smart Cable with USB keyboard output
PT99492	65650	Two 3-Volt Batteries, CR2032

FEATURES AND SPECIFICATIONS

INDUSTRY 4.0

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Extremely hard and stable one-piece spindle
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Smooth friction thimble for uniform pressure
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Spindle lock
- Resolution: .00005" (0.001mm)
- Accuracy +/-.0001" (+/-0.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits

W769.1 WIRELESS ELECTRONIC TUBE MICROMETER

0-1"

Starrett innovation brings a truly wireless micrometer. Keeping with the same features as the 769.1 electronic micrometers, these are now equipped to send data with the push of a button.

W769.1 Electronic Tube Micrometer with Inch Grads		
Cat. No.	**EDP**	**Range**
W769.1AXFL-1	60598	0-1"

FEATURES AND SPECIFICATIONS

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle-the heart of our accuracy!
- Micro-lapped carbide measuring surfaces
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm)
- Resolution .00005" (0.001mm)
- Rechargeable battery
- Embedded radio allows to send data up to 30' with no end nodes or cables

Starrett®

Blade Micrometers

786.1 Electronic Micrometers with Non-Rotating Spindle (with output)

0-5"

The newly designed 786.1 blade micrometer is used for fast and accurate measurements of circular form tools, diameter and depth of narrow grooves, slots, key ways, recesses, and depths between lands and fins.

The balanced and tapered frame provides comfortable and accurate measuring and gives the right feel during use.

786.1 Blade Micrometers		
Non-rotating spindle, Shell and Thimble		
Inch Grads		
Cat. No.	**EDP**	**Range**
786.1P-1	72832	0-1"
786.1P-2	72834	1-2"
786.1P-3	72835	2-3"
786.1P-4	72836	3-4"
786.1P-5	72856	4-5"
Cables and Accessories		
Part No.	**EDP**	**Description**
795.1SCM	01124	Smart Cable to multiplexer
795.1SCKB	01125	USB Cable to PC (In focused window)
795.1SCU	01126	Smart Cable with USB keyboard output
PT99492	65650	Two 3-Volt Batteries, CR2032

*Carbide face measuring surfaces available upon request

Features and Specifications

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Attractive no glare black wrinkle finish on the frame
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Smooth friction thimble for uniform pressure
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- .030" Blade Thickness
- Blades will measures to 5/16" (8mm) depths
- Resolution: .00005" (0.001mm)
- Accuracy +/-.0001" (+/-0.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits

W786.1 Wireless Electronic Blade Micrometer (non-rotating)

0-5"

Starrett innovation brings a truly wireless micrometer. Keeping with the same features as the 786.1 electronic micrometers, these are now equipped to send data with the push of a button.

W786.1 Electronic Blade Micrometer with Inch Grads		
Cat. No.	**EDP**	**Range**
W786.1P-1	60600	0-1"
W786.1P-2	60601	1-2"
W786.1P-3	62332	2-3"
W786.1P-4	62338	3-4"
W786.1P-5	60602	4-5"

Carbide face measuring surface available upon request

Features and Specifications

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle-the heart of our accuracy!
- .030 blade thickness
- Will measure to 5/16"depth
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm)
- Resolution .00005" (0.001mm)
- Rechargeable battery
- Embedded radio allows to send data up to 30' with no end nodes or cables

INDUSTRY 4.0

Disc-Type Micrometers

756.1 Electronic Disc-Type Micrometer (with output)

0-2"/0-50MM

The newly designed 756.1 is used to measure the thickness of work sections such as ribs, lands, fins, cutting edges on form tools, and chordal thickness of gear teeth. Because of their large anvil and spindle faces, the 1"/25mm sizes are also useful for measuring the thickness of sheet materials like paper, cardboard, rubber, and plastics. Now with IP67 level of protection.

The balanced and tapered frame provides comfortable and accurate measuring and gives the right feel during use.

756.1 Disc-Type Micrometer					
Friction Thimble, Spindle Lock, Shell and Thimble					
Inch Grads			**Metric Grads**		
Cat. No.	**EDP**	**Range**	**Cat. No.**	**EDP**	**Range**
756.1FL-1	72808	0-1"	756.1MEFL-25	72809	0-25mm
756.1FL-2	72868	1-2"	756.1MEFL-50	72869	25-50mm
Cables and Accessories					
Part No.	**EDP**	**Description**			
795.1SCM	01124	Smart Cable to multiplexer			
795.1SCKB	01125	USB Cable to PC (In focused window)			
795.1SCU	01126	Smart Cable with USB keyboard output			
PT99492	65650	Two 3-Volt Batteries, CR2032			

Features and Specifications

- IP67 protection against coolants, water, chips, dust and dirt
- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Extremely hard and stable one-piece spindle
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Smooth friction thimble for uniform pressure
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Spindle lock
- Resolution: .00005" (0.001mm)
- Accuracy +/-.0001" (+/-0.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits
- This tool is accurate to ± .00015" or ± 0.003mm measuring over the whole surface and ± .0002" or ± 0.004mm measuring on the edges.
- Anvil and spindle discs are 1/2" (12.7mm) diameter tapering to .015" (0.4mm) edge thickness making it possible to enter narrow grooves and recesses

Disc-Type Micrometers

W756.1FL Wireless Electronic Disc Type Micrometer

0-2"

Starrett innovation brings a truly wireless micrometer. Keeping with the same features as the 756.1 electronic micrometers, these are now equipped to send data with the push of a button. IP67 rating to help protect against coolant, water, chips, dirt and dust.

W756.1 Electronic Disc Type Micrometer with Inch Grads		
Cat. No.	EDP	Range
W756.1FL-1	60592	0-1"
W756.1FL-2	62339	1-2"

Features and Specifications

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle-the heart of our accuracy!
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm)
- Resolution .00005" (0.001mm)
- Rechargeable battery
- Embedded radio allows to send data up to 30' with no end nodes or cables
- IP67 rating
- Anvil + discs are 1/2" diameter tapering to .015" edge thickness

IP67

W756.1FL-1

W756.1FL-2

ROUNDED ANVIL MICROMETERS

788.1 ELECTRONIC MICROMETERS WITH ROUNDED ANVIL (WITH OUTPUT)

0-1"/0-25MM

The newly designed 788.1 are extremely useful for measuring the wall thickness of parts such as solid and split bearings, tubing, sleeves, collars, rings, various cylinders, and also measuring from the inside of a hole to an edge. The rounded anvil contacts the inside curved surface and a flat spindle for contacting the outside of the work, thus providing single point contact. This permits accurate gaging of curved surface thickness. Now with IP67 level of protection.

The balanced and tapered frame provides comfortable and accurate measuring and gives the right feel during use.

788.1 Electronic Micrometer					
Friction Thimble, Spindle Lock, Shell and Thimble					
Inch Grads			**Metric Grads**		
Cat. No.	**EDP**	**Range**	**Cat. No.**	**EDP**	**Range**
788.1XFL	72858	0-1"	788.1MEXFL	72857	0-25mm
Cables and Accessories					
Part No.	**EDP**	**Description**			
795.1SCM	01124	Smart Cable to multiplexer			
795.1SCKB	01125	USB Cable to PC (In focused window)			
795.1SCU	01126	Smart Cable with USB keyboard output			
PT99492	65650	Two 3-Volt Batteries, CR2032			

FEATURES AND SPECIFICATIONS

- IP67 protection against coolants, water, chips, dust and dirt
- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Extremely hard and stable one-piece spindle
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Smooth friction thimble for uniform pressure
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Spindle lock
- Resolution: .00005" (0.001mm)
- Accuracy +/-.0001" (+/-0.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits

W788.1 WIRELESS ELECTRONIC ROUNDED ANVIL MICROMETER

0-1"

Starrett innovation brings a truly wireless micrometer. Keeping with the same features as the 788.1 electronic micrometers, these are now equipped to send data with the push of a button. IP67 rating to help protect against coolant, water, chips, dirt and dust.

W788.1 Electronic Rounded Anvil Micrometer with Inch Grads		
Cat. No.	**EDP**	**Range**
W788.1XFL	60603	0-1"

FEATURES AND SPECIFICATIONS

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle- the heart of our accuracy!
- Micro-lapped carbide measuring surfaces
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm)
- Resolution .00005" (0.001mm)
- Rechargeable battery
- Embedded radio allows to send data up to 30' with no end nodes or cables

Starrett®

Screw Thread Micrometers

760.1 Electronic Screw Thread Comparator Micrometer (with output)

0-1"

The newly designed 760.1 micrometer is ideal for quick comparisons of thread accuracy in screw cutting operations, measuring in small grooves or recesses where regular micrometers cannot be used, and for many other applications. Now with IP67 level of protection.

The balanced and tapered frame provides comfortable and accurate measuring and gives the right feel during use.

760.1 Electronic Micrometer		
Friction Thimble, Spindle Lock, Shell and Thimble		
Inch Grads		
Cat. No.	EDP	Range
760.1FL	72810	0-1"
Cables and Accessories		
Part No.	EDP	Description
795.1SCM	01124	Smart Cable to multiplexer
795.1SCKB	01125	USB Cable to PC (In focused window)
795.1SCU	01126	Smart Cable with USB keyboard output
PT99492	65650	Two 3-Volt Batteries, CR2032

*Note: Does not measure pitch diameter.

Features and Specifications

- IP67 protection against coolants, water, chips, dust and dirt
- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Extremely hard and stable one-piece spindle
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Smooth friction thimble for uniform pressure
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Spindle lock
- Resolution: .00005" (0.001mm)
- Accuracy +/-.0001" (+/-0.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits

IP67

INDUSTRY 4.0

W760.1 Wireless Electronic Screw Thread Micrometer

0-1"

Starrett innovation brings a truly wireless micrometer. Keeping with the same features as the 760.1 electronic micrometers, these are now equipped to send data with the push of a button. IP67 rating to help protect against coolant, water, chips, dirt and dust.

W760.1 Electronic Screw Thread Comparator Micrometer with Inch Grad		
Cat. No.	EDP	Range
W760.1FL	60593	0-1"

Features and Specifications

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle- the heart of our accuracy!
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm)
- Resolution .00005" (0.001mm)
- Rechargeable battery
- Embedded radio allows to send data up to 30' with no end nodes or cables
- IP67 rating

IP67

MICROMETERS

MICROMETER HEADS

762.1 ELECTRONIC MICROMETER HEADS

0-2"

762.1 Electronic Micrometer Head		
Friction Thimble, Spindle Lock, Shell and Thimble Inch Grads		
Cat. No.	**EDP**	**Range**
762.1XFL	72786	0-1"
762.1NXRL	72785	0-1" (non-rotating)
762.1XFL-2	72787	0-2"
Cables and Accessories		
Part No.	**EDP**	**Description**
795.1SCM	01124	Smart Cable to multiplexer
795.1SCKB	01125	USB Cable to PC (In focused window)
795.1SCU	01126	Smart Cable with USB keyboard output
PT99492	65650	Two 3-Volt Batteries, CR2032

FEATURES AND SPECIFICATIONS

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Extremely hard and stable one-piece spindle
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Smooth friction thimble for uniform pressure
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Spindle lock
- Resolution: .00005" (0.001mm)
- Accuracy +/-.0001" (+/-0.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits

W762.1 WIRELESS ELECTRONIC MICROMETER HEAD

0-2"/0-25MM

Starrett innovation brings a truly wireless micrometer head. Keeping with the same features as the 762.1 electronic micrometer heads, these are now equipped to send data with the push of a button.

W762.1 Electronic Micrometer Head with Inch Grads		
Cat. No.	**EDP**	**Range**
W762.1XFL	60595	0-1"
W762.1XFL-2	60596	0-2"
W762.1M Electronic Micrometer Head with Metric Grads		
Cat. No.	**EDP**	**Description**
W762.1MEXFL-25	60594	0-25mm

FEATURES AND SPECIFICATIONS

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle-the heart of our accuracy!
- Micro-lapped carbide measuring surface
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm)
- Resolution .00005" (0.001mm)
- Rechargeable battery
- Embedded radio allows to send data up to 30' with no end nodes or cables

Starrett®

Bench Micrometers

777.1 Electronic Bench Micrometers (with output)

0-1"

Especially suitable for precision measurements where the work must be brought to the gage. Work is staged between the anvil and spindle on an adjustable table, which can be raised to a selected height and locked in position by turning a knurled thumb screw on the back of the base. Made of cast iron with black finish, the base is heavily proportioned to sustain gage accuracy and assure stability in use. It stands on three machined pads.

777.1 Bench Micrometer		
Friction Thimble, Spindle Lock, Shell and Thimble Inch Grads		
Cat. No.	EDP	Range
777.1XFLZ	72822	0-1"
Cables and Accessories		
Part No.	EDP	Description
795.1SCM	01124	Smart Cable to multiplexer
795.1SCKB	01125	USB Cable to PC (In focused window)
795.1SCU	01126	Smart Cable with USB keyboard output
PT99492	65650	Two 3-Volt Batteries, CR2032

Features and Specifications

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Extremely hard and stable one-piece spindle
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Smooth friction thimble for uniform pressure
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Spindle lock
- Resolution: .00005" (0.001mm)
- Accuracy +/-.0001" (+/-0.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits

INDUSTRY 4.0

W777.1 Wireless Electronic Bench Micrometer

0-1"

Starrett innovation brings a truly wireless bench micrometer. Keeping with the same features as the 777.1 electronic bench micrometer, these are now equipped to send data with the push of a button.

W777.1 Electronic Bench Micrometer with Inch Grads		
Cat. No.	EDP	Range
W777.1XFLZ	60599	0-1"

Features and Specifications

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle-the heart of our accuracy!
- Micro-lapped carbide measuring surfaces
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button
- Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm)
- Resolution .00005" (0.001mm)
- Rechargeable battery
- Embedded radio allows to send data up to 30' with no end nodes or cables

DEPTH GAGE MICROMETERS

749.1 ELECTRONIC MICROMETER DEPTH GAGE (WITH OUTPUT)

0-12"

This depth micrometer has a wide 0-12" range for measuring the depth of most holes slots, shoulders, and projections.

A base shape design that will automatically position the fingers so the base will be held in place evenly.

749.1 Depth Micrometer		
Spindle Lock, Shell and Thimble		
Inch Grads		
Cat. No.	**EDP**	**Range**
749.1BZ-6RL	72780	0-6"
749.1BZ-12RL	72779	0-12"
Rods only for the 749.1 and Electronic Micrometer Depth Gages		
PT99601	72765	0-1"
PT99602	72870	1-2"
PT99603	72871	2-3"
PT99604	72872	3-4"
PT99605	72873	4-5"
PT99606	72874	5-6"
PT99607	72875	6-7"
PT99608	72876	7-8"
PT99609	72877	8-9"
PT99610	72878	9-10"
PT99611	72879	10-11"
PT99612	72880	11-12"
Cables and Accessories		
Part No.	**EDP**	**Description**
795.1SCM	01124	Smart Cable to multiplexer
795.1SCKB	01125	USB Cable to PC (In focused window)
795.1SCU	01126	Smart Cable with USB keyboard output
PT99492	65650	Two 3-Volt Batteries, CR2032

FEATURES AND SPECIFICATIONS

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy-to-read .275" (7mm) tall characters, high contrast LCD digital readout
- Extremely hard and stable one-piece spindle & Spindle lock
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion on English versions
- Measurement HOLD button & Zero at any position
- Retain and return to true zero reading
- Resolution: .00005" (0.001mm) & Accuracy +/-.0001" (+/-0.002mm)
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits
- Base Length 4"/rod diameter 5/32"
- Ground and hardened base

W749.1 WIRELESS ELECTRONIC MICROMETER DEPTH GAGE

0-12"

Starrett innovation brings a truly wireless micrometer depth gage. Keeping with the same features as the 749.1 electronic micrometer depth gage, these are now equipped to send data with the push of a button.

W749.1 Electronic Bench Micrometer with Inch Grads		
Cat. No.	**EDP**	**Range**
W749.1BZ-6RL	60591	0-6"
W749.1BZ-12RL	62340	0-12"
Rods only for the W749.1 Wireless Electronic Micrometer Depth Gages		
PT99601	72765	0-1"
PT99602	72870	1-2"
PT99603	72871	2-3"
PT99604	72872	3-4"
PT99605	72873	4-5"
PT99606	72874	5-6"
PT99607	72875	6-7"
PT99608	72876	7-8"
PT99609	72877	8-9"
PT99610	72878	9-10"
PT99611	72879	10-11"
PT99612	72880	11-12"

FEATURES AND SPECIFICATIONS

- Large easy to read high contrast LCD digital readout
- Starrett no-glare satin chrome finish on thimble and sleeve
- Balanced and tapered frame
- Extremely hard one-piece spindle
- Base length 4" (100mm)/Rod diameter 5/32" (4mm)
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Measurement HOLD button & Zero at any position
- Retain and return to true zero reading
- Accuracy +/-.0001" (+/-0.002mm) & Resolution .00005" (0.001mm)
- Rechargeable battery
- Embedded radio allows to send data up to 30' with no end nodes or cables

INDUSTRY 4.0

Tubular Inside Micrometer

E823BZ Electronic Tubular Inside Micrometer Set

6-40"/150-1000MM

The newly designed electronic 823 tubular inside micrometer set is the same as 823 mechanical version except with digital readout. Equipped with RS232 output is ideal for use with DataSure 4.0 Wireless Data Collection System or Multiplexer Input. Useful for internal linear measurements such as measuring cylinders, rings, setting caliper, comparing gages and measuring parallel surfaces.

The extension rods are made of steel tubing, light in weight, yet extremely rigid. Rods are approximately 3/8" (9.5mm) diameter to meet the requirements of mechanics who prefer the larger diameter. By removing the hardened and ground anvil ends (end caps) of the micrometer head, the rods may be attached to either or both ends of the micrometer as preferred. Each rod may be individually adjusted for wear by the hardened and ground anvil at the end.

Features and Specifications

- Equipped with an RS232 output-ideal for DataSure 4.0 Wireless Data Collection
- Starrett no-glare satin chrome finish on thimble and sleeve
- Large, easy to read .275" (7mm) tall characters
- Extremely hard and stable one piece spindle
- Auto Off after 20 minutes of non use
- Inch/millimeter conversion

- Measurement Hold button
- Zero at any position
- Retain and return to true zero reading
- Spindle lock
- Resolution .00005"/0.001mm
- Accuracy +/-.0001"/0.002mm
- PRESET button to install any reading at any position
- Ability to set minimum and maximum limits

E823 Tubular Inside Micromere Set (.00005 revolution)

Cat. No.	EDP	Range	Description
E823BZ	72983	6-40"/150-1000mm	With eleven insulated rods

Cables and Accessories

Cat. No.	EDP	Description
795.1SCM	01124	Smart Cable to multiplexer
795.1SCKB	01125	USB cable to PC (In focused window)
795.1SCU	01126	Smart Cable with USB keyboard output
PT99492	65650	Two 3-Volt Batteries, CR2032

Electronic Calipers

W798 Electronic Calipers

0-12"/0-300MM

Starrett innovation brings a truly wireless slide caliper. Keeping with the same features as the 798B electronic slide calipers, these are now equipped to send data with the push of a button. IP67 ratings across the entire range to help protect against coolant, water, chips, dirt and dust.

798 Electronic Calipers		
Cat. No.	**EDP**	**Range**
W798B-6/150	73330	0-6"/0-150mm
W798B-8/200	73331	0-8"/0-200mm
W798B-12/300	73328	0-12"/0-300mm
Approximate Jaw Depths for 798 Electronic Calipers		
	6" (150mm)	**8" (200mm)**	**12" (300mm)**
OUTSIDE	1-1/2" (38mm)	1-7/8" (47.6mm)	2-1/2" (63. 5mm)
INSIDE	5/8" (16mm)	3/4" (19mm)	3/4" (19mm)

Features and Specifications

- Large easy to read high contrast LCD digital readout
- IP67 Protection
- Thumb roll
- Hardened stainless steel measuring surfaces
- Induction type linear encoder system
- Auto Off after 20 minutes of nonuse
- Inch/millimeter conversion
- Slide lock
- Zero at any position
- Reactivation of display with no loss of position
- Rechargeable battery port
- Embedded radio allows to send data up to 30' with no end nodes or cables

IP67

W798B-6/150

W798B-8/200

W798B-12/300

Starrett®

Electronic Calipers

EC799 Electronic Calipers

0-40"/0-1000MM

The EC799 Electronic Caliper is light, comfortable, easy-to-use, and constructed with features that have made Starrett slide calipers the machinist's first choice for many years. Output now available on B models.

The EC799 offers a slim, streamlined profile, a large, clear, easy-to-read LCD display, long battery life, and function buttons for zero and inch/mm.

Features

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Lightweight, ergonomic design
- Inch/millimeter conversion reads .0005" or 0.01mm
- Easy access to the single, long-life battery
- Last measuring position retained when shut off
- Hardened stainless steel body for long life
- Fine adjustment thumb wheel
- Lock screw to hold the slide in position
- Resolution is .0005" (0.01mm)
- Zero at any position
- Protective case

6", 8" and 12" Calipers Only

- Large, easy-to-read .32" tall characters, high contrast LCD digital readout
- Auto OFF after 5 minutes of nonuse
- Linear accuracy meets DIN862
- Integrated depth rod

Extended Range 24" and 40" Calipers

- Preset and hold feature
- Minimum and maximum limits set
- I.D. jaw dimension is .800"/20.32mm
- LCD characters are .50" high
- Auto off after 30 minutes of nonuse

INDUSTRY 4.0

799A-24/600

EC799A-12/300

EC799A-8/200

EC799 Electronic Slide Calipers

Cat. No.	EDP	Range in	mm
EC799A-6/150	00142		
EC799A-6/150 W/SLC*	72665	0-6	0-150
EC799B-6/150	00143		
EC799B-6/150 W/SLC*	00144		
EC799A-8/200	00145		
EC799A-8/200 W/SLC*	72674	0-8	0-200
EC799B-8/200	00146		
EC799B-8/200 W/SLC*	00147		
EC799A-12/300	00148		
EC799A-12/300 W/SLC*	72673	0-12	0-300
EC799B-12/300	00149		
EC799B-12/300 W/SLC*	00150		

EC799A-6/150

799 Extended Slide Calipers without Output

Cat. No.	EDP	Range in	mm
799AZ-24/600	11978	0-24	0-600
799AZ-40/1000	11979	0-40	0-1000

Accessories, Cables and Case Information for 799 Electronic Calipers

Cat. No.	EDP	Description
EC799BSCM	46000	Smart Cable to multiplexer
EC799BSCU	46002	Smart Cable to USB
EC799BSCKB	46001	Smart Cable to USB keyboard
PT26151	64440	Center distance attachment
PT22431	64640	Depth attachment for 6", 9" and 150mm calipers
PT99492	65650	3-volt battery; CR2032
723ZZ-6/722ZZ-6	57070	Deluxe padded case for 0-6" (150mm) calipers
950	63878	Finished wood case for 0-8" (200mm) calipers
946	56695	Finished wood case for 0-12" (300mm) calipers

* Includes redemption card for Standard Letter of Certification (SLC).

Approximate Jaw Depths for 799 Electronic Calipers

	6" (150mm)	8" (200mm)	12" (300mm)	24" (600mm)	40" (1000mm)
Outside	1-1/2" (38mm)	2" (50.8mm)	2-1/2" (63.5mm)	4" (100mm)	6" (150mm)
Inside	5/8" (16mm)	3/4" (19mm)	23/32" (18.3mm)	11/16" (17.46mm)	11/16" (17.46mm)

Starrett®

Carbon Fiber Calipers

5000, 5001 and 5002 Carbon Fiber Calipers

0-40"

- Carbon fiber construction significantly reduces weight, improving maneuverability
- Titanium coated stainless steel outside measurement jaws for long life and superior flatness
- Coolant resistant
- Two preset modes, REF I and REF II, allow setting one mode to a setting master and a second to a zero setting
- Full-featured, sophisticated electronics with RS232 output
- Will also transmit to PC through cable

Features and Specifications

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- CR2032 lithium battery included
- Clamping screw
- Protective wooden case
- Resolution: .0005"/0.01mm

5000 and 5002 Only

- mm/inch mode button
- On/Off button
- Hold feature will freeze the display when in REF I or REF II mode

5001 Only

- Mode and Set buttons
- Min/Max mode displays values referenced from the preset value of the REF mode the tool is in when entering MIN/MAX
- Tolerance mode to set upper and lower measurement tolerances
- Larger display with more information
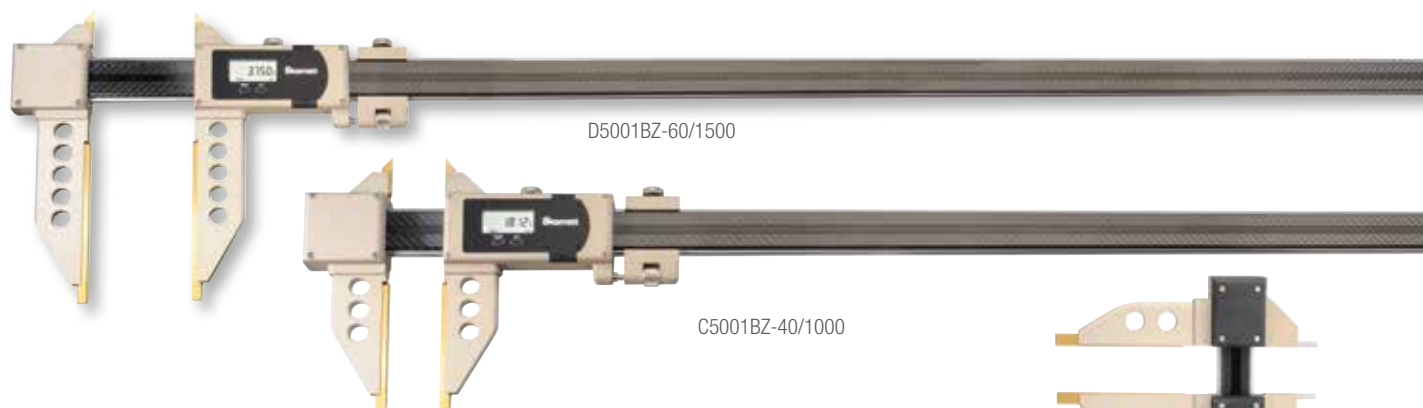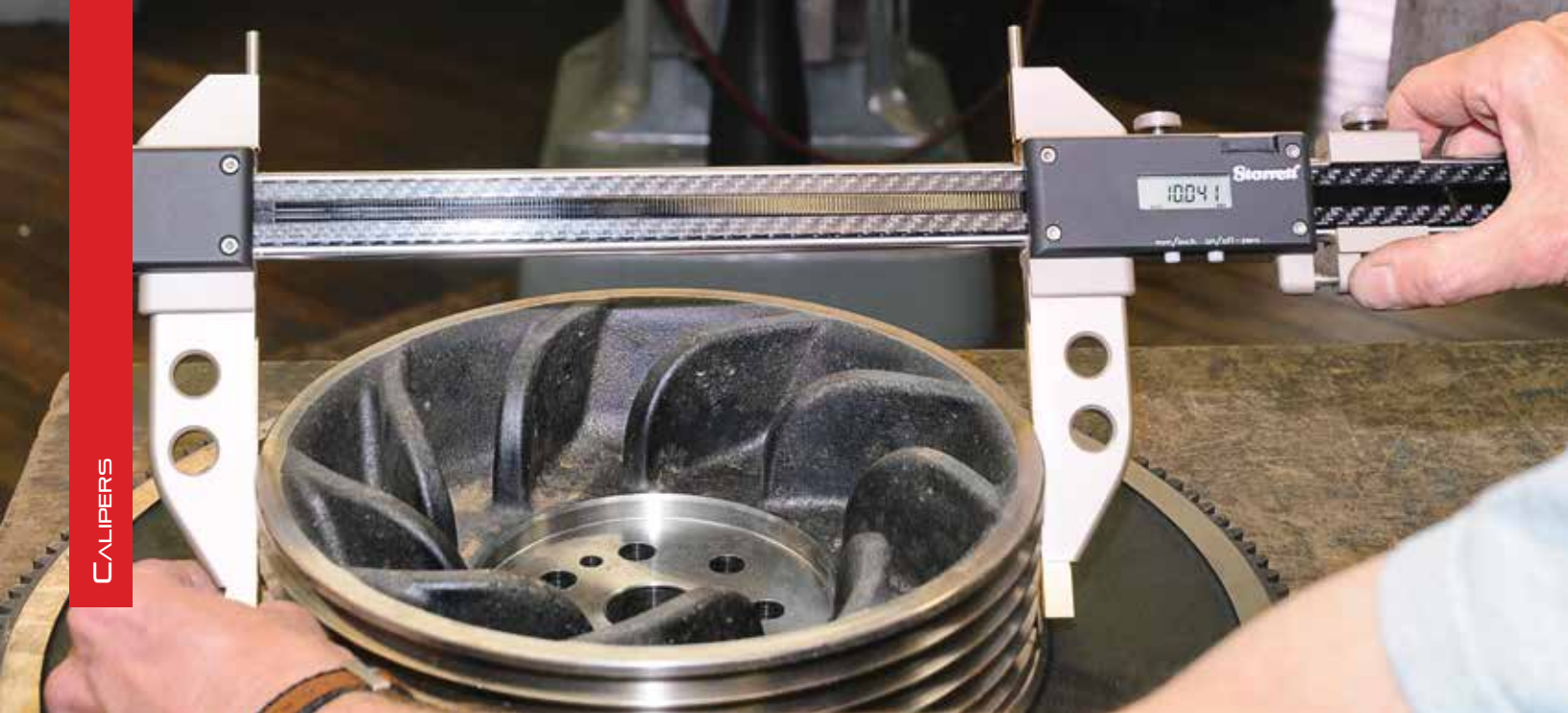
INDUSTRY 4.0

5002BZ-16/400 with PT06138 Step Contacts

5002BZ-24/600 with PT06139 Conical Contacts

5002BZ-40/1000 with PT06137 Disc Contacts

D5001BZ-60/1500

C5001BZ-40/1000

B5000BZ-24/600

B5000BZ-20/500

5000 Carbon Fiber Calipers

Cat. No.	EDP	Outside	Weight	Jaw Depth	Measuring Capacities Inside (w/jaws)	Inside (w/top pins)
B5000BZ-20/500	14571	0-20" (0-500mm)	2.43lb (1.10kg)	4.921" (125mm)	.787-20" (20-500mm)	.394-20" (10-500mm)
B5000BZ-24/600	14572	0-24" (0-600mm)	2.56lb (1.16kg)	4.921" (125mm)	.787-24" (20-600mm)	.394-24" (10-600mm)
B5000BZ-40/1000	14573	0-40" (0-1000mm)	3.09lb (1.40kg)	4.921" (125mm)	.787-40" (20-1000mm)	.394-40" (10-1000mm)

5001 Carbon Fiber Calipers

Cat. No.	EDP	Outside	Weight	Jaw Depth
C5001BZ-40/1000	14574	0-40" (0-1000mm)	5.51lb (2.50kg)	5.906" (150mm)
D5001BZ-60/1500	14575	0-60" (0-1500mm)	7.28lb (3.30kg)	7.875" (200mm)

5002 Carbon Fiber Calipers

Cat. No.	EDP	Outside	Weight
5002BZ-16/400	14576	0-16" (0-400mm)	1.65lb (0.75kg)
5002BZ-24/600	14577	0-24" (0-600mm)	1.98lb (0.90kg)
5002BZ-40/1000	14578	0-40" (0-1000mm)	3.31lb (1.50kg)

Accessories for 5002 Carbon Fiber Calipers

Part No.	EDP	Description
PT06137	12829	Disc Contacts
PT06138	12830	Step Contacts
PT06139	12831	Cone Contacts

Data Collection

Part No.	EDP	Description
798SCKB	69889	USB Cable to PC (In focused window)

Starrett®

ELECTRONIC CALIPERS
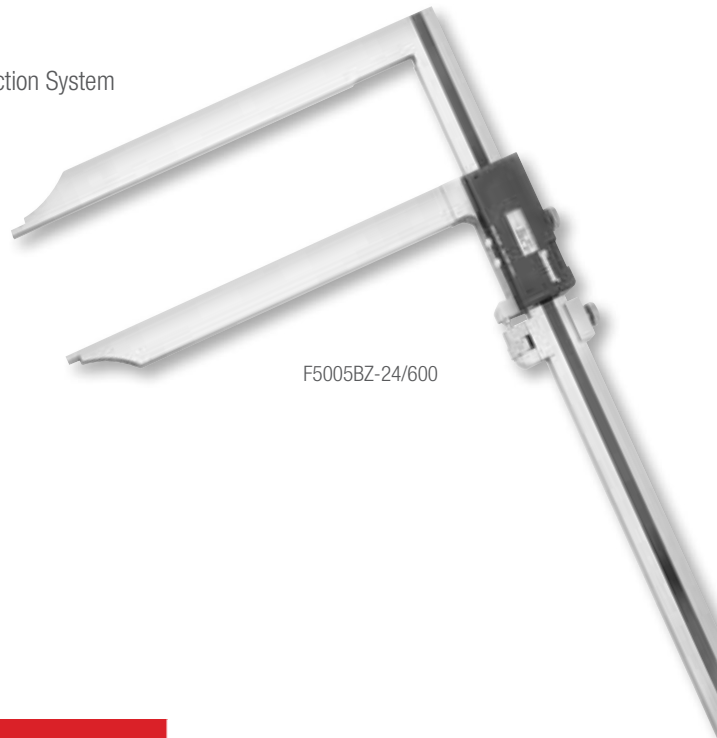
5005 ELECTRONIC LONG JAW CALIPERS

0-24"/0-600MM

The 5005 Electronic Calipers are built with extra long, 12" (300mm) jaws ideal for applications requiring precise O.D. or I.D. measurement in tight spaces that standard calipers cannot reach.

FEATURES AND SPECIFICATIONS

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Hardened stainless steel construction for long life
- Tight, smoothly fitted slides for maximum accuracy and easy adjustment
- Coolant resistant
- Lock nut to hold measurements
- Fine adjustment thumbwheel
- Inch/mm conversion
- Ability to set ZERO at any position
- Two preset modes to install any reading at any point
- Full-featured, sophisticated electronics with proximity output
- Will also transmit to PC through cable
- CR2032 lithium battery included
- Large easy-to-read display with resolution of 0.0005"/0.01mm
- Packed in a wood case
- Computers with Excel use 798SCKB USB Cable to PC
- Computers running SPC Data Collection use 798SCU Smart Cable to USB

INDUSTRY 4.0

F5005BZ-24/600

5005 Electronic Calipers			
Cat. No.	EDP	Range	Jaw Depth
F5005BZ-24/600	14588	0-24" (0-600mm)	12" (300mm)

Electronic Calipers

5006 Electronic Groove Calipers

Features and Specifications

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Standard Measuring Tip Diameter: .118" (3mm)
- Two Preset Modes
- Hold Feature will freeze the display when it is in preset mode
- On/Off Button
- CR2032 lithium battery included
- Includes wooden case
- Resolution: .0005" (0.01mm)
- Generous diameter and jaw depth capacities
- Ideal for measuring internal and external grooves on large workpieces
- Hardened stainless steel construction
- Coolant resistant

5006BZ-14/350

IP67

INDUSTRY 4.0

5006 Electronic Groove Caliper	
Cat. No.	**EDP**
5006BZ-14/350	14589

Data Collection		
Part No.	**EDP**	**Description**
798SCKB	69889	USB Cable to PC (In focused window)

Specifications		
	Groove Measuring Range	**Max. Depth**
Outside	0-12.5" (0-318mm)	3.937" (100mm)
Inside	1.654-15" (42-381mm)	3.7" (94mm)

Starrett®

Electronic Calipers

798 Electronic Calipers

0-12"/0-300MM

The 798 Electronic Caliper features a large, easy-to-read, high contrast LCD readout. It includes IP67 protection against coolants, water, chips, dust and dirt often found in machine shop environments. Its induction type linear encoder system and Inch/millimeter conversion makes this Starrett precision measuring tool the right choice for any job.

798 Electronic Calipers			
Cat. No.	**EDP**	**Range**	**Description**
798B-6/150	12521		Caliper with output
798B-6/150 W/SLC	12522	0-6" (150mm)	Caliper with output
798BX-6/150	12782		Caliper with output
798A-6/150	20798		Caliper without output
798B-8/200	12523		Caliper with output
798B-8/200 W/SLC	12524	0-8" (200mm)	Caliper with output
798A-8/200	20799		Caliper without output
798B-12/300	12525		Caliper with output
798B-12/300 W/SLC	12526	0-12" (300mm)	Caliper with output
798A-12/300	20800		Caliper without output
Special Large Jaw for Brake Calipers			
EC799AR-6/150	73602	0-6" (150mm)	Caliper without ouput
Accessories, Cables and Case Information for 798 Electronic Calipers			
Cat. No.	**EDP**	**Description**	
798SCM	69894	Smart Cable to multiplexer	
798SCU	73321	Smart Cable to USB	
798SCKB	69889	USB Cable to PC (In focused window)	
PT26151	64440	Center distance attachment	
PT22431	64640	Depth attachment	
PT63388	72517	Computer interface cable to PC (USB) with driver CD	
PT99492	65650	Two 3-Volt batteries, CR2032	
723ZZ-6/722ZZ-6	57070	Deluxe padded case for 0-6" (150mm) calipers	
950	63878	Finished wood case for 0-8" (200mm) calipers	
946	56695	Finished wood case for 0-12" (300mm) calipers	

*Includes redemption card for Standard Letter of Certification (SLC).

Features

- IP67 level of protection
- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Fine adjustment
- Hardened stainless steel measuring surfaces
- Large, easy-to-read, high-contrast LCD digital readout
- Induction type linear encoder system
- RS232 output
- Heavy-duty bar and slide
- Slide lock
- One 3-volt battery for over one year of normal usage
- In/mm conversion
- Zero at any position
- Auto off after 30 minutes of nonuse
- Reactivation of display with no loss of position

IP67

INDUSTRY 4.0

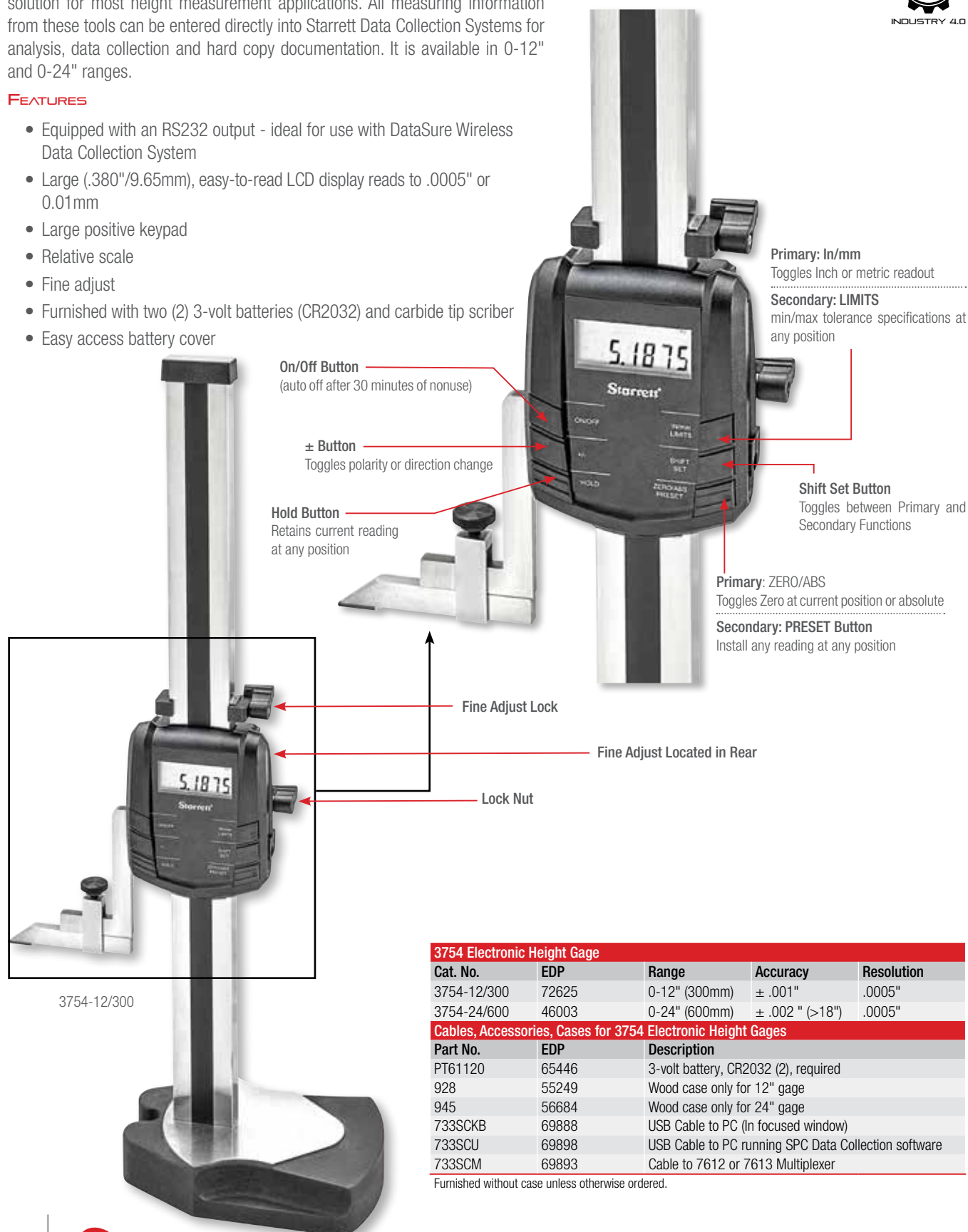| Approximate Jaw Depths for 798 Electronic Calipers			
	6" (150mm)	**8" (200mm)**	**12" (300mm)**
Outside	1-1/2" (38mm)	1-7/8" (47.6mm)	2-1/2" (63.5mm)
Inside	5/8" (16mm)	3/4" (19mm)	3/4" (19mm)

798B-6/150

798B-12/300

EC799AR-6/150

ELECTRONIC HEIGHT GAGES

3754 ELECTRONIC HEIGHT GAGES

The 3754 Electronic Height Gage is a full featured, versatile and economic solution for most height measurement applications. All measuring information from these tools can be entered directly into Starrett Data Collection Systems for analysis, data collection and hard copy documentation. It is available in 0-12" and 0-24" ranges.

FEATURES

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Large (.380"/9.65mm), easy-to-read LCD display reads to .0005" or 0.01mm
- Large positive keypad
- Relative scale
- Fine adjust
- Furnished with two (2) 3-volt batteries (CR2032) and carbide tip scriber
- Easy access battery cover

INDUSTRY 4.0

On/Off Button
(auto off after 30 minutes of nonuse)

± Button
Toggles polarity or direction change

Hold Button
Retains current reading
at any position

Primary: In/mm
Toggles Inch or metric readout

Secondary: LIMITS
min/max tolerance specifications at any position

Shift Set Button
Toggles between Primary and Secondary Functions

Primary: ZERO/ABS
Toggles Zero at current position or absolute

Secondary: PRESET Button
Install any reading at any position

Fine Adjust Lock

Fine Adjust Located in Rear

Lock Nut

3754-12/300

3754 Electronic Height Gage				
Cat. No.	EDP	Range	Accuracy	Resolution
3754-12/300	72625	0-12" (300mm)	± .001"	.0005"
3754-24/600	46003	0-24" (600mm)	± .002 " (>18")	.0005"
Cables, Accessories, Cases for 3754 Electronic Height Gages				
Part No.	EDP	Description		
PT61120	65446	3-volt battery, CR2032 (2), required		
928	55249	Wood case only for 12" gage		
945	56684	Wood case only for 24" gage		
733SCKB	69888	USB Cable to PC (In focused window)		
733SCU	69898	USB Cable to PC running SPC Data Collection software		
733SCM	69893	Cable to 7612 or 7613 Multiplexer		

Furnished without case unless otherwise ordered.
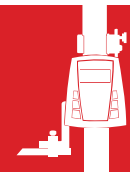
Starrett®

Digi-Chek™ Height Gages

258, 258M Digi-Chek™ Height Gages

.100-24.100"/2-602MM

These gages combine the accuracy of Starrett-Webber Gage Blocks with a precision micrometer head and digital readout.

258 DIGI-CHEK Height Gages (.100"-24.100" Range)						
			Graduation			
Cat. No.	EDP	Range	Scales	Digital Readout	Micrometer Head	Gage Accuracy
DHG12-E258	93005	.100"-12.100"		.001"	.0001"	± .0002"
DHG18-E258	93006	.100"-18.100"	Inches	.001"	.0001"	± .0002"
DHG24-E258	93357	.100"-24.100"		.001"	.0001"	± .0002"
258M DIGI-CHEK Height Gages (2-602mm Range)						
			Graduation			
Cat. No.	EDP	Range	Scales	Digital Readout	Micrometer Head	Gage Accuracy
DHG300-E258	93007	2mm-302mm		0.01mm	0.002mm	± 0.005mm
DHG450-E258	93008	2mm-452mm	Millimeters	0.01mm	0.002mm	± 0.005mm
DHG600-E258	93358	2mm-602mm		0.01mm	0.002mm	± 0.005mm

Finished wood case for 12" (300mm) and 18" (450mm) also available, at additional cost.
These finished wood cases are NOT suitable for shipping. Use suggested shipping materials.
Certificate of Calibration available at additional cost.
Questions and repair regarding Digi-Chek gages should be referred to the Starrett-Webber Division, Tel.: 440-835-0001.
The accuracy of the surface that supports the gage must be taken into account when determining the accuracy of any measurements.

DHG12-258 with digital display

Readability Features

- Satin chrome scales mounted beside the gage block column for quick reference to the nearest 1" or 25mm reading
- Digital readout reads in .001" or 0.01mm and has a range of 1" or 25mm
- Reads directly from the micrometer head to .0001" or 0.002mm. The micrometer head (our 469) has black figures on the satin chrome thimble. The graduations are staggered for easy counting.
- Both the micrometer head and digital readout are mounted on top of the gage, directly in line with the operator's vision

Ease-of-Handling Features

- The micrometer head has a speeder knob for rapid positioning
- Both over and under heights can be checked directly from the gage blocks in a single setting. Because reference surfaces are provided on the top and bottom of each block, adjacent blocks are in the exact same plane. This eliminates the need to add or subtract block thickness.
- Readings can also be taken from either left, center, or right of the gage block column
- Parts can be checked from .100" or 2mm in height
- The gage block column design permits wringing a 1" block between two blocks in the column. This is convenient for setting and checking other gages such as inside micrometers, end measuring rods, dial bore gages, etc.

Accuracy and Long-Life Features

- Gage is housed in a heavily flanged frame for stability and the base has three-point hardened, ground, and lapped bearing pads, making it virtually tip-proof. Gage blocks are assembled in a free-standing system that allows the blocks to conform to temperature variations independently of the frame, thereby reading the same as the workpiece.
- The highly accurate micrometer spindle is one piece, with hardened and stabilized measuring threads
- A 10" riser block is available for increased height capacity

ELECTRONIC HEIGHT GAGES

3751 ELECTRONIC HEIGHT GAGE (WITHOUT OUTPUT)

0-6"/0-150MM

This height gage is light, portable and easy to use for vertical measurements within its range.

| 3751 Electronic Height Gage (0-6"/150mm Range)		
Cat. No.	**EDP**	**Description**
3751AZ-6/150	12221	Height Gage, in Case
Accessories and Cables for 3751 Electronic Height Gage		
Part No.	**EDP**	**Description**
PT99492	65650	One 3-Volt Batterie, CR2032
PT08680A	51383	Depth Attachment
947	56756	Wood Case Only

3751AZ-6/150

READABILITY FEATURES

- Large, easy-to-read .32" tall characters, high contrast LCD digital readout

ACCURACY AND LONG LIFE DESIGN FEATURES

- Hardened, stainless steel bar for long life
- Depth attachment PT08680A available for measuring depth of holes, slots, and recesses
- Fine adjustment thumb roll for precision measurements
- Rounded nose scriber cuts clean, sharp lines with smoothness and less pressure
- Lock to hold the slide in position
- Hardened, ground, and lapped base with finger grooves provides ease of movement
- Easy access to single long-life battery, 3-volt CR2032
- Vertical bar is back from the edge of the nose for better stability
- Scriber can reference zero from the bottom of the base to get the full 6" (150mm) usable range
- Linear Accuracy: +/-.0015" (+/-0.02mm)
- Resolution: .0005" (0.01mm)

ACTION FEATURES WITH THREE CONTROL BUTTONS

- Inch-millimeter conversion
- Zero at any position
- Manual ON/OFF plus a built in auto OFF after 5 minutes of nonuse

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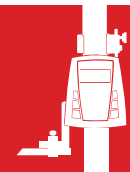
Depth Gages

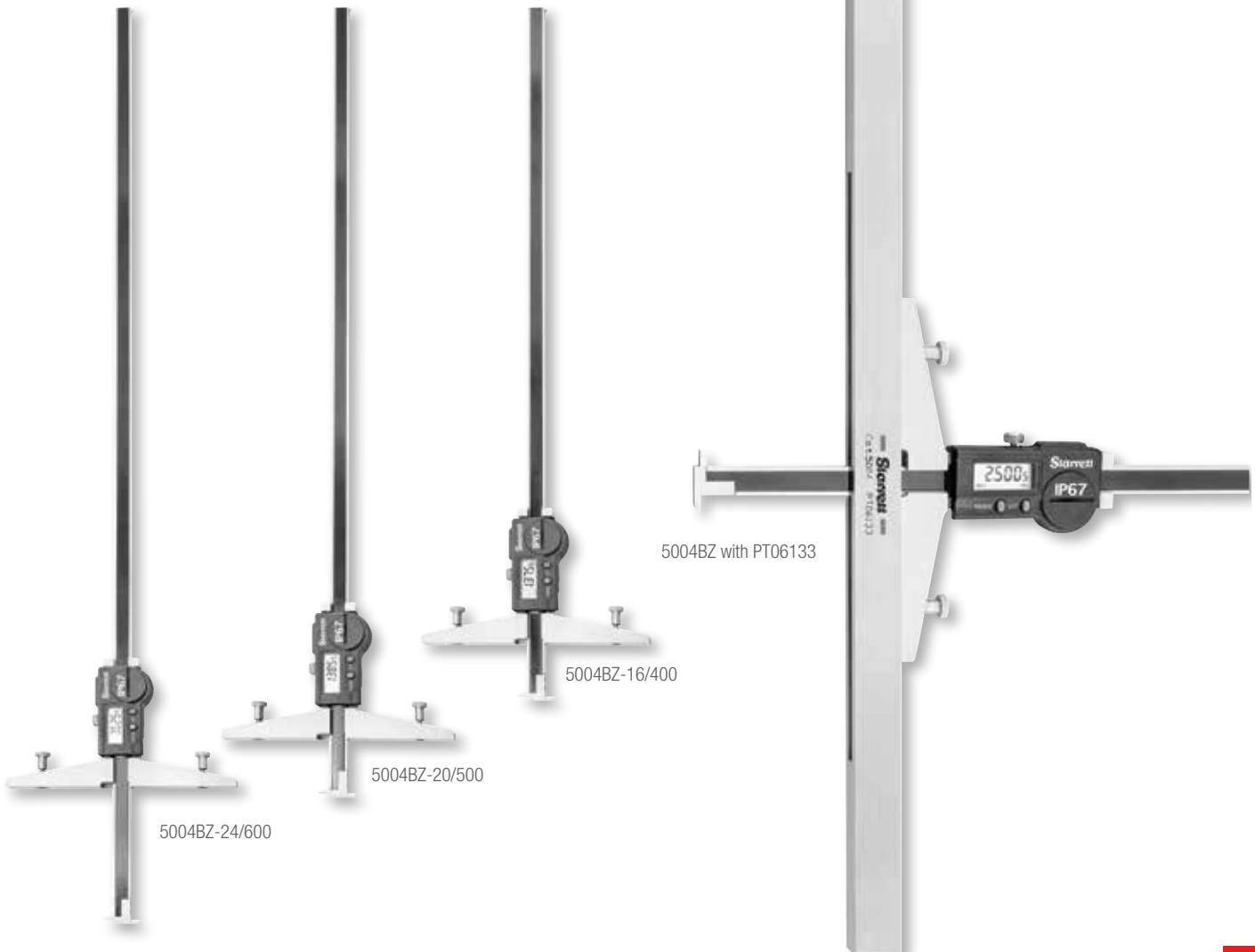## 5004 Electronic Depth Gages (with output)

0-24"/0-600MM

- Ideal for large part measurement up to 24" (600mm)
- Three movable bridge attachments provide additional large part measurement capacity

5004 Electronic Depth Gages		
Cat. No.	EDP	Range/Size
5004BZ-12/300	14583	0-12" (0-300mm)
5004BZ-16/400	14584	0-16" (0-400mm)
5004BZ-20/500	14585	0-20" (0-500mm)
5004BZ-24/600	14586	0-24" (0-600mm)
5004BZ-32/800	14587	0-32" (0-800mm)

Accessories for 5004 Depth Gages			
Part No.	EDP	Range/Size	Description
PT06133	12825	16" (400mm)	Movable bridge attachment for use with 5004 Depth Gages
PT06134	12826	20" (500mm)	Movable bridge attachment for use with 5004 Depth Gages
PT06135	12827	24" (600mm)	Movable bridge attachment for use with 5004 Depth Gages
PT06136	12828	1.024" (26mm) overall length	Offset attachment for use with 5004 Depth Gages

Smart Cables for 5004 Depth Gages			
Part No.	EDP	Description	
798SCKB	69889	USB Cable to PC (In focused window)	
798SCU	73321	Smart Cable USB for 798, 5004B	
798SCM	69894	Connect to 7612, 7613 Gage Mux	

Features and Specifications

- IP67 level of protection against coolant, water, dirt and dust
- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Hardened stainless steel construction
- Coolant resistant
- Mode and Set buttons control a wide range of functions: On/Off, Absolute/Relative display, Inch/Metric display, Preset and Hold
- RS232 data transmission port
- Furnished with one CR2032 lithium battery that will provide over a year of life with normal use
- Protective wooden case
- Resolution: 0.0005"/0.01mm
- Includes offset attachment PT06136

IP67

INDUSTRY 4.0

5004BZ with PT06133

5004BZ-16/400

5004BZ-20/500

5004BZ-24/600

Depth Gages

3753B Electronic Depth Gages (with output)

0-12"/0-300MM

The 3753B Electronic Depth Gage is a versatile, easy-to-use tool for measuring depth, slot width, small sections and other applications.

3753B Electronic Depth Gages		
Cat. No.	EDP	Description
3753B-6/150	12690	0-6"/150mm Range, Depth Gage in Case
3753B-8/200	12692	0-8"/200mm Range, Depth Gage in Case
3753B-12/300	12694	0-12"/300mm Range, Depth Gage in Case
Accessories for 3753B Electronic Depth Gages		
Part No.	EDP	Description
3648-180	12261	180mm Base Extension
3648-260	12262	260mm Base Extension
3648-320	12263	320mm Base Extension
PT63388	72517	Computer Interface Cable to PC (USB)
PT99492	65650	Two 3-Volt Batteries, CR2032
798SCKB	69889	USB Cable to PC (In focused window)
798SCU	73321	Smart Cable USB for 798, 5004B
798SCM	69894	To 7612 or 7613

Features and Specifications

- IP67 level of protection against coolant, water, dirt and dust
- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Hardened, stainless steel bar for long life
- Removable hook attachment for measurements from the edge of a work piece to the inside or outside edge of slots, grooves, etc.
- Lock to hold the slide in position
- Fine adjustment thumb roll for precision measurements
- Large, easy to read LCD, .310" character height
- Induction type linear encoder system
- Patented non-contact RS232 data output
- CR2032 3-volt battery (>1 year batter life under normal use)
- Inch/mm conversion
- Zero at any position
- Auto OFF after 30 minutes of nonuse without loss of position upon reactiviation
- Linear Accuracy: ± .0015" (0.03mm)
- Resolution: .0005" (0.010mm)

3753B-6/150

3753B-12/300

32

Depth Gages

3753A Electronic Depth Gages (non output)

0-12"/0-300MM

The 3753 is light and easy to use for depth measurements within its range.

Readability Features

- Clear, easily-read numbers, properly sized for the tool

Design Features for Accuracy and Long Life

- Linear accuracy: +/-.0015" (+/-0.03mm)
- Resolution: .0005" (0.01mm)
- Exclusive Starrett-designed microprocessor chip
- Hardened stainless steel body and slide for long life
- Fine adjustment thumb roll for precision measurements
- Lock to hold the slide in position
- Hardened base is 3-15/16" (99mm) long, but optional base extensions of 7" and 12" (175 and 300mm) are available. Spacing between holes is 2-3/4" (70mm).
- A hook attachment is furnished with the gage, making it possible to take readings from the edge of a workpiece to edges of slots, grooves, shoulders, and other I.D. length dimensioning. The removable hook has the screw permanently attached to prevent loss.
- One-year minimum battery life with furnished 3-volt battery, CR2032

Action Features with Three Control Buttons

- Inch/millimeter conversion
- Zero at any position
- Manual ON/OFF plus a built in auto OFF after 15 minutes of nonuse

3753 shown with optional 3648-180 base extension attachment

3753A Electronic Depth Gages		
Cat. No.	EDP	Description
3753A-6/150	12258	0-6"/150mm Range, Depth Gage in Case
3753A-8/200	12259	0-8"/200mm Range, Depth Gage in Case
3753A-12/300	12260	0-12"/300mm Range, Depth Gage in Case
Accessories for 3753A Electronic Depth Gages		
Part No.	EDP	Description
3648-180	12261	180mm Base Extension
3648-260	12262	260mm Base Extension
3648-320	12263	320mm Base Extension
PT99492	65650	Two 3-Volt Batteries, CR2032

ELECTRONIC DEPTH GAGES

W643JZ WIRELESS ELECTRONIC DEPTH GAGE

0-.125"/0-3MM

This gage is now available with a W2900-5-1 Wireless Indicator for a digital readout and wireless data collecting option. This gage has a knife edge base and a needle point contact which has been hardened and ground. The knife edge base has a cutout so the conical point can be precisely positioned for close work. Point is 1/2" long with a 40 degree angle.

In action, the inspector gently pushes against a surface plate or other calibrated surface.

W643JZ Electronic Depth Gage				
Cat. No.	EDP	Range	Resolution	Accuracy
W643JZ	62332	0-.125" / 3mm	.0005" / 0.01mm	+/-.001" / 0.03mm

FEATURES AND SPECIFICATIONS

- Intuitive design and layout-easy to learn and use
- Positive tactile-free button activation
- Origin set, Zero set
- Auto off after 20 minutes on nonuse
- Inch/millimeter conversation
- Rechargeable battery port
- Embedded radio allows to send data up to 30' with no end nodes or cables

W644JZ WIRELESS ELECTRONIC DEPTH GAGE

0-3"/0-75MM

This gage is now available with a W2900-5-1 Wireless Indicator for a digital readout and wireless data collecting option. Used for long range applications, they are accurate and simple to use. Put the contact on the work to be measured and push the gage head down until the base stops at the reference point and take your reading.

Furnished with three rounded-end-contact points to cover the range. Flat end contact points are also available on special order.

The zero setting can be checked with the shortest contact in place by pushing on a flat surface.

W644JZ Electronic Depth Gage				
Cat. No.	EDP	Range	Resolution	Accuracy
W644JZ	62331	0-3" / 0-75mm	.0005" / 0.01mm	+/-.001" / 0.03mm

FEATURES AND SPECIFICATIONS

- Intuitive design and layout-easy to learn and use
- Positive tactile-free button activation
- Origin set, Zero set
- Auto off after 20 minutes on nonuse
- Inch/millimeter conversation
- Rechargeable battery port
- Embedded radio allows to send data up to 30' with no end nodes or cables

Starrett®

Electronic Depth Gages

W640JZ Wireless Electronic Depth Gage
0-.500"/0-13MM

This gage is now available with a W2900-5-1 Wireless Indicator for a digital readout and wireless data collecting option. These gages are direct reading tools, referencing from their harden and ground bases. All bases are 2-1/2" long. They are quicker and more convenient to use than any other type of depth gage within their ranges and accuracy.

In action, the inspector gently pushes against a surface plate or other calibrated surface.

W640JZ Electronic Depth Gage				
Cat. No.	EDP	Range	Resolution	Accuracy
W640JZ	62333	0-.500" / 0-13mm	.0005" / 0.01mm	+/-.001" / 0.03mm

Features and Specifications

- Intuitive design and layout-easy to learn and use
- Positive tactile-free button activation
- Origin set, Zero set
- Auto off after 20 minutes on nonuse

- Inch/millimeter conversation
- Rechargeable battery port
- Embedded radio allows to send data up to 30' with no end nodes or cables

3900A and 3900B Electronic Indicators

AGD GROUP 2
RANGES UP TO 1" AND 25.4MM

3900 Series Electronic Indicators have simple, powerful, easy-to-use functions, all at an attractive price. 3900A is Starrett's entry level electronic indicator. 3900B adds SPC output capability. Versions are available in inch/metric (3/8" stem, 4-48 screw thread) and metric/inch (8mm stem, M2.5 x 0.45 screw thread).

FEATURES

- Large, easy-to-read LCD
- Reverse travel (± control indicates direction)
- Zero setting at any position
- Long battery life
- 3/8" diameter stem for inch/mm models (8mm on metric-only models)
- #4-48 screw thread on inch/mm models (M2.5 X 0.45 thread on metric-only models)
- Lug-on-center back with additional flat back
- Dust cap
- Plastic storage case with form-fit foam insert

Starrett®
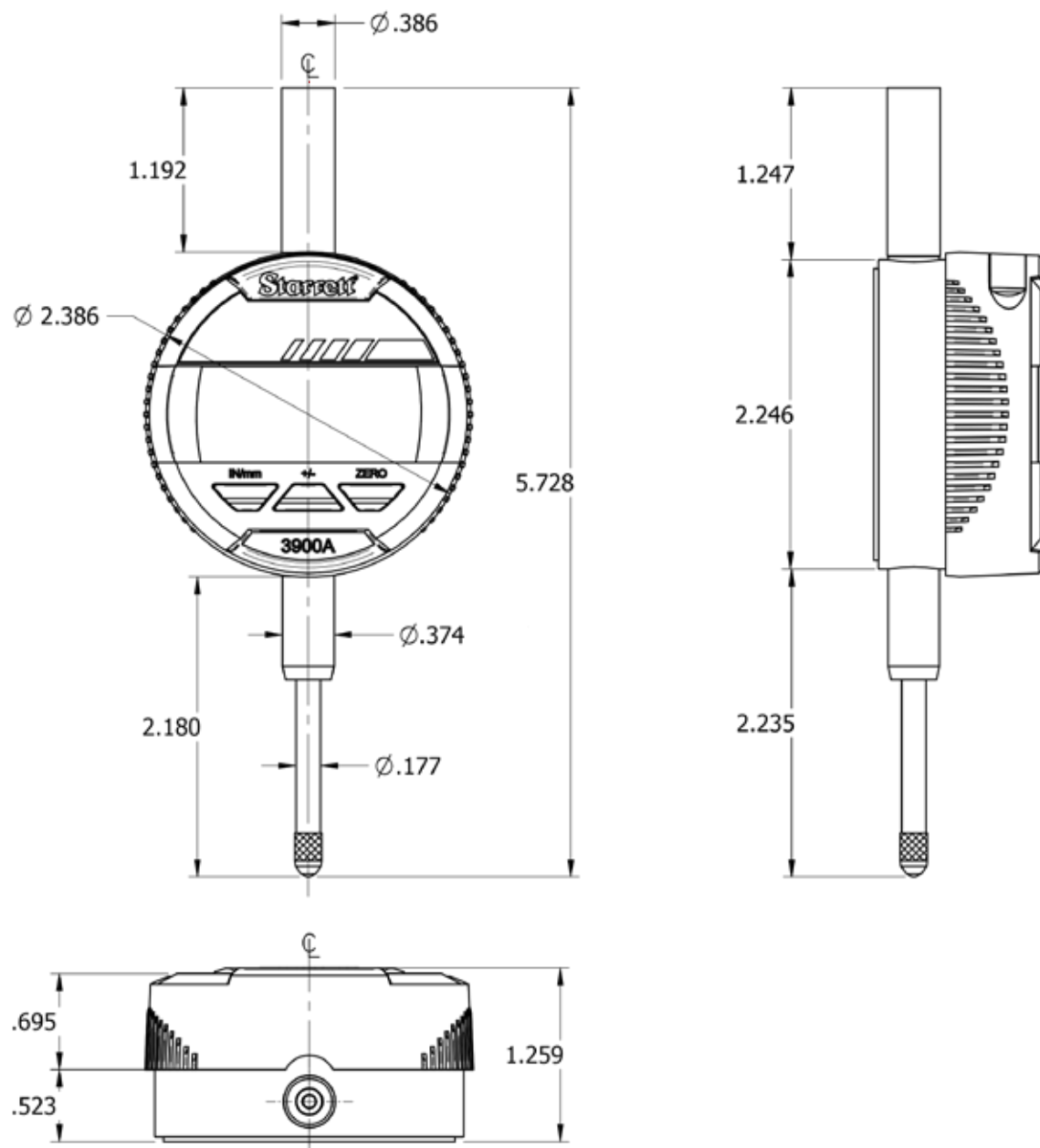
		Range		Resolution		Accuracy		Stem	Screw
Cat. No.	EDP	in	mm	in	mm	in ±	mm ±	Diameter	Thread
3900A-5	62418	.5	12.7	.0005	0.01	.001	0.03	3/8"	#4-48
3900MA-5	62420	.5	12.7	.0005	0.01	.001	0.03	8mm	M2.5 x 0.45
3900A-1	62419	1	25.4	.0005	0.01	.001	0.03	3/8"	#4-48
3900MA-25	62426	1	25.4	.0005	0.01	.001	0.03	8mm	M2.5 x 0.45
3900B-5	62421	.5	12.7	.0005	0.01	.001	0.03	3/8"	#4-48
3900MB-5	62423	.5	12.7	.0005	0.01	.001	0.03	8mm	M2.5 x 0.45
3900B-1	62422	1	25.4	.0005	0.01	.001	0.03	3/8"	#4-48
3900MB-25	62427	1	25.4	.0005	0.01	.001	0.03	8mm	M2.5 x 0.45

Accessory		
Part No.	EDP	Description
PT99492	65650	CR2032 Lithium 3 Volt Battery (Pack of 2)
1403-25N	62443	End Node for Wireless Data Collection with DataSure 4.0
3900USB-0	62459	3900B Indicator Cable Set

2700 GROUP 1 DIGITAL INDICATORS

INDUSTRY 4.0

AGD GROUP 1

The 2700 AGD Group 1 Digital Indicator is the only electronic indicator with true Group 1 dimensions. Applications that traditionally applied mechanical dial indicators can now be replaced with electronic indication. This enables the existing application to become more flexible by outputting data, setting tolerances, increasing resolution, and all other benefits of electronic indication.

FEATURES

- 270 degree Rotating Bezel
- Small Diameter - A dimensional match to AGD Group 1 mechanical indicators (1.700"/43mm)
- Two Available Displays - Single LCD Numeric IQ model (largest of its class) with low battery warning and programmable ratios or Numeric/ Analog AD model showing its two displays simultaneously
- .400" travel
- Store and view 200 readings internally, or download with included software and USB style cable
- Compatible with Starrett DataSure® wireless (contact Starrett)
- Long battery life with one CR232 cell battery (3,000 hours under typical use) or connect using a PC

F2715AD

Inch/Metric - 8mm Stem - M2.5 x 0.45 Thread

Cat. No.	EDP	Range in	mm	Resolution in	mm	Accuracy in	mm
F2715IQ	72970	0.4	10	.001/.0005/.0001/.00005	0.02/0.01/0.002/0.001	±.0001	±0.002
F2715AD	72971	0.4	10	.001/.0005/.0001/.00005	0.02/0.01/0.002/0.001	±.0001	±0.002

Ø.38"
.44"
.58"
3.07"
3.36"
.63"
Ø.373"
.26"
1.16"

Ø1.54"

Ø1.70"
1.54"

Starrett®
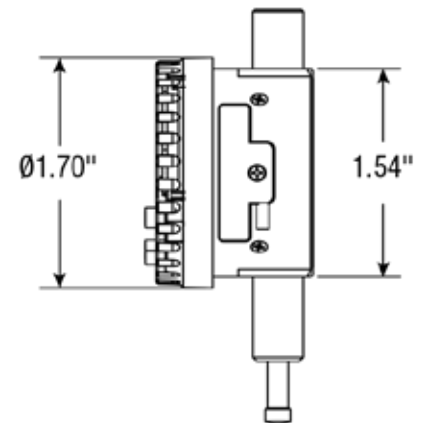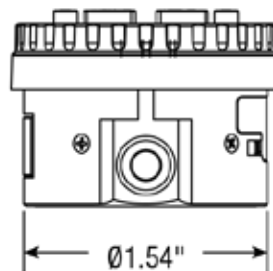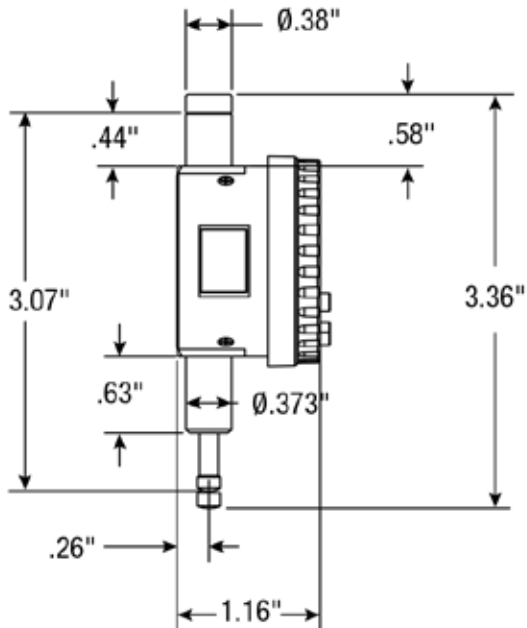
2700 Backlight Indicators

The 2700 Backlight Indicators are offered in 1", 2" and 4" ranges. The deep backlight color indicates tolerances and allows the indicator to be easily read at far distances, in poor lighting and with limited operator experience.

FEATURES

- Backlight relates a reading to tolerance values
- SPC Cables, USB, MTI, RS232
- Inch/metric display
- Travel reverse
- Maximum reading hold
- Single gage simple data collection software included
- Floating zero
- Minimum reading hold
- Abs./preset measuring mode
- T.I.R. with low and high storage recall
- USB/AC power cable included
- Lock combination

INDICATORS

Cat. No.	EDP	Range	SPC Output	Accuracy	Resolution
2700-800	72689	1"	x	(±) 2. Res.	.0001"
2700-801	72690	1"	x	(±) 2. Res.	.000050"
2700-802	72691	2"	x	(±) 2. Res.	.0005"
2700-803	72692	2"	x	(±) 2. Res.	.0001"
2700-804	72693	4"	x	(±) 2. Res.	.0005"
2700-805	72694	4"	x	(±) 2. Res.	.0001"

Accessories, Power Source, Cables		
Part No.	EDP	Description
PT60646	72592	Cable to SPC computer, not foul switch
2700SCKB	69891	SmartCable with USB 2.0 for 2700 Micrometer with foul switch and built-in wedge
2700SCU	23956	USB Cable, 2700 Series

Backs/Lever*		
Part No.	EDP	Description
PT26406	65886	Flat back
PT26407	65887	Offset lug back
PT26411	65891	Adjustable lug back
PT26408	65888	Adjustable back
PT26409	65889	Post-type back
PT26410	65890	Screw bracket back
PT26848	66293	Adjustable mounting bracket back
PT26405	65885	Lifting lever

*Other backs, styles and accessories also available by request.

2900, W2900 Electronic Indicators

1/2"-4" / 12MM/100MM

The 2900 Indicator is available in a choice of configurations to meet a wide range of requirements. Innovative True Absolute Sensor Technology minimizes the chance of data loss for exceptional reliablity. Built with IP67 protection and renowned Starrett quality, they maintain their reliability in hostile shop environments. W2900 models include built-in wireless functionality for data collection.

IP67

INDUSTRY 4.0

2900-1-2

2900-5-1

2900-1

Catalog Number	2900-1	2900-6	2900-1-1	2900-3-1	2900-5-1	2900-6-1	2900-1-2	2900-6-2
EDP	09980	09985	09960	09963	09967	09969	72676	72678
Wireless Version Catalog Number	W2900-1	W2900-6	W2900-1-1	W2900-3-1	W2900-5-1	W2900-6-1	W2900-1-2	W2900-6-2
Wireless Version EDP	60730	60731	60750	73347	73349	60798	60799	60846
Range								
.500" / 12mm	X	X						
1" / 25mm			X	X	X	X		
2" / 50mm							X	X
4" / 100mm								
Resolution								
.00005"/0.001mm	X		X				X	
.0005"/0.01mm				X	X			
.0005/.0001/.00005"/0.01/0.001mm		X				X		X
Accuracy								
+/-.00012"	X	X	X			X	X	X
+/-0.003mm	X	X	X			X	X	X
+/-.001"/0.03mm				X	X			
Mechanical Features								
.375" Stem - #4-48 UNF Thread	X	X	X	X	X	X	X	X
8mm Stem - M2.5 x 0.45 Thread								
Lug & Flat Back	X	X	X	X	X	X	X	X
Absolute Sensor	X	X	X			X	X	X
RS232 Data Output* *Indicators with a "W" are wireless and do not have RS232 Data Output	X	X	X	X	X	X	X	X
1/2" tall characters	X	X	X	X	X	X	X	X
Dust Cap	X	X	X	X	X	X	X	X
Rechargeable Battery	X	X	X	X	X	X	X	X
IP67	X	X	X	X	X	X	X	X
Electronic Features								
Limit Set		X			X	X		X
Origin Set, Zero Set	X	X	X	X	X	X	X	X
Counting Direction +/-	X	X	X	X	X	X	X	X
Power On/Off	X	X	X	X	X	X	X	X
Inch/Metric Conversation	X	X	X	X	X	X	X	X
URS232 Cable for Data*	X	X	X	X	X	X	X	X
USB Cable and Cube for Charging	X	X	X	X	X	X	X	X
Preset		X				X		X
TIR with Max/Min display		X				X		X
Max/Min Freeze Hold		X				X		X
Feature Lock		X				X		X
Selectable Resolution		X				X		X
Low Battery Warning	X	X	X	X	X	X	X	X
Easy Exit Programming	X	X	X	X	X	X	X	X
270 Degree Bezel Rotation	X	X	X	X	X	X	X	X

*Applies to non-wireless 2900 Indicators only

Starrett®

FEATURES

- Intuitive design and layout - easy to learn and use
- Positive, tactile-feel button activation
- Rechargeable battery
- Data output on all models
- Choice of Basic, Standard and Advanced feature levels
- One micron resolution available
- Selectable resolution models available and fixed ratio measurement systems available
- Inch/millimeter conversion
- Metric-only versions available
- Lug-on center back (also ships with flat back)
- Compatible with Starrett 25 Series Indicator backs
- IP67
- Origin set, zero set
- Auto-off after 20 minutes of non-use
- True Absolute Sensor Technology, -1 & -6 models only
- W2900 Models: Embedded radio allows to send data up to 30' with no end nodes or cables

INDICATORS

2900-6-4	2900-1ME	2900-6ME	2900-1ME-25	2900-3ME-25	2900-5ME-25	2900-6ME-25	2900-1ME-50	2900-6ME-50
62178	09971	09979	09972	09975	09978	09991	72679	72683
W2900-6-4	W2900-1ME	W2900-6ME	W2900-1ME-25	-	-	W2900-6ME-25	W2900-1ME-50	W2900-6ME-50
62179	62212	62213	62214	-	-	62217	62218	62219
	x	x						
			x	x	x	x		
							x	x
x								
	x		x				x	
				x	x			
x		x				x		x
x	x	x	x			x	x	x
x	x	x	x			x	x	x
x								
	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x
x	x	x	x			x	x	x
x	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x
x		x				x	x		x
x	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x
x		x				x		x
x		x				x		x
x		x				x		x
x		x				x		x
x		x				x		x
x	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x	x

IP67

W2900-5-1

Catalog Number	2900-1M	-	2900-1M-25	2900-3M-25	2900-5M-25	2900-6M-25	2900-1M-50	2900-6M-50
EDP	09986	-	09961	09964	09968	09970	72680	72684
Wireless Version Catalog Number	W2900-1M	W2900-6M	W2900-1M-25	W2900-3M-25	W2900-5M-25	W2900-6M-25	W2900-1M-50	W2900-6M-50
Wireless Version EDP	62224	62225	62226	73348	73378	62227	62228	62229
Range								
.500" / 12mm	X	X						
1" / 25mm			X	X	X	X		
2" / 50mm							X	X
4" / 100mm								
Resolution								
.00005"/0.001mm	X		X				X	
.0005"/0.01mm				X	X			
.0005/.0001/.00005"/0.01/0.001mm		X				X		X
Accuracy								
+/-.00012"								
+/-0.003mm	X		X			X	X	X
+/-.001"/0.03mm								
Mechanical Features								
.375" Stem-#4-48 UNF Thread								
8mm Stem - M2.5 x 0.45 Thread	X	X	X	X	X	X	X	X
Lug & Flat Back	X	X	X	X	X	X	X	X
Absolute Sensor	X		X	X	X	X	X	X
RS232 Data Output* *Indicators with a "W" are wireless and do not have RS232 Data Output	X	X	X			X	X	X
1/2" tall characters	X	X	X	X	X	X	X	X
Dust Cap	X	X	X	X	X	X	X	X
Rechargeable Battery	X	X	X	X	X	X	X	X
IP67	X	X	X	X	X	X	X	X
Electronic Features								
Limit Set		X				X		X
Origin Set, Zero Set	X	X	X	X	X	X	X	X
Counting Direction +/-	X	X	X	X	X	X	X	X
Power On/Off	X	X	X	X	X	X	X	X
Inch/Metric Conversation								
URS232 Cable for Data*	X		X	X	X	X	X	X
USB Cable and Cube for Charging	X	X	X	X	X	X	X	X
Preset		X				X		X
TIR with Max/Min display		X				X		X
Max/Min Freeze Hold		X				X		X
Feature Lock		X				X		X
Selectable Resolution		X				X		X
Low Battery Warning	X	X	X	X	X	X	X	X
Easy Exit Programming	X	X	X	X	X	X	X	X
270 Degree Bezel Rotation	X	X	X	X	X	X	X	X

*Applies to non-wireless 2900 Indicators only

Starrett®

W4900-1 Touchscreen Electronic Indicator

IP67

INDUSTRY 4.0

1"/ 25MM

The new Starrett W4900-1 Touchscreen Electronic Indicator combines innovation and versatility with unparalleled ease of use. Built for shop floors, quality labs, inspection areas and in-process applications, this highly capable IP67 indicator can also be used in OEM applications on custom build and design tools and machinery.

FEATURES

- Large, easy-to-read and navigate touchscreen user interface
- Wireless SPC output for data collection with DataSure® 4.0
- Compliant with ISO and ANSI/ASME accuracy specifications
- IP67 protection
- Rugged: Built to withstand hazards common to shop floor environments
- Rechargeable battery with long service life
- Customizable auto-off settings
- Analog and digital readouts
- Customizable backlighting function
- Easy-to-navigate settings with multi-option menus for dial configuration, graduation, presets, limits, color options, profiles, rotation, scale factor, and more
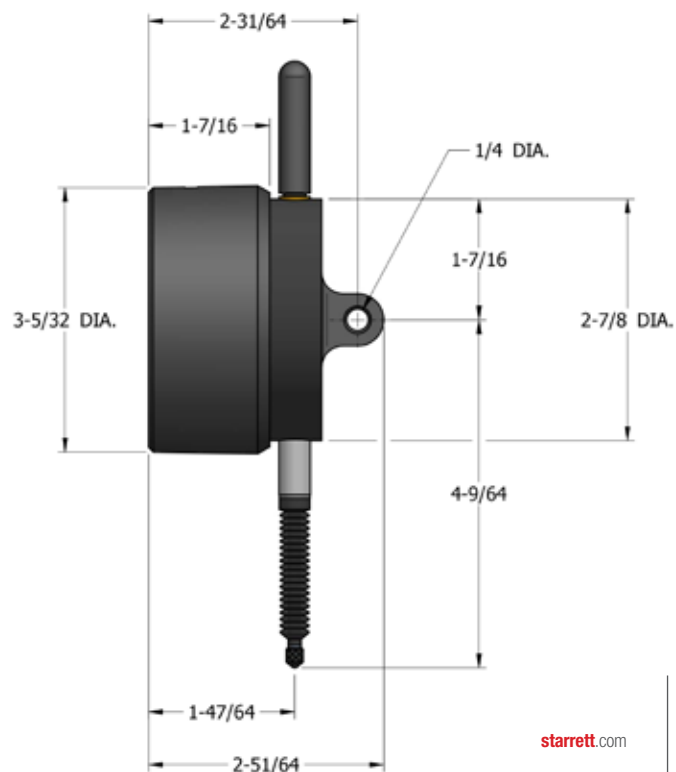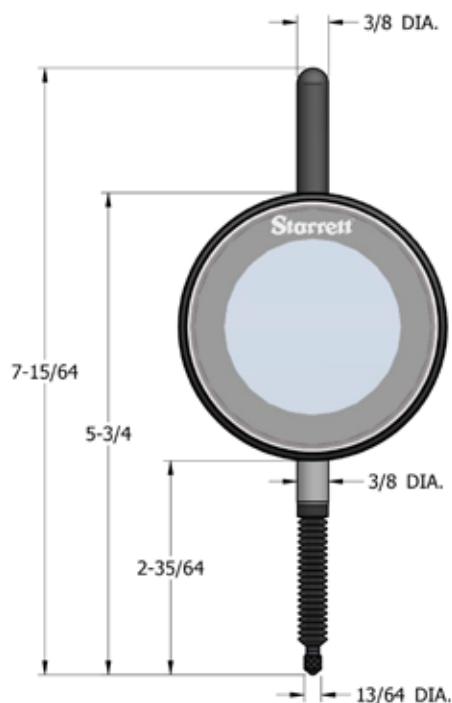
INDICATORS

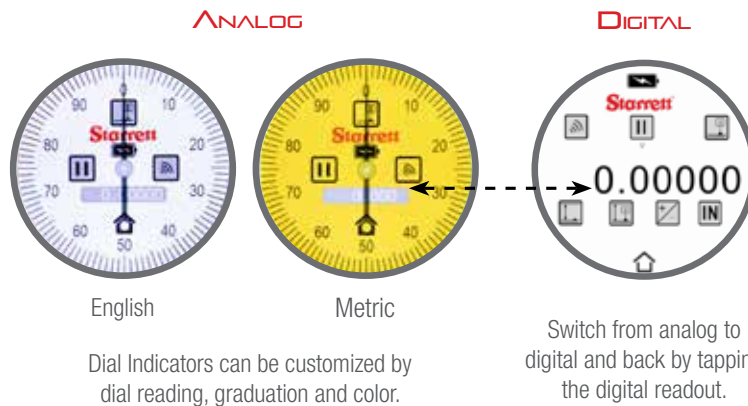| W4900-1 Touchscreen Electronic Indicator										
Cat. No.	**EDP**	**Range**		**Resolution**		**Accuracy**		**AGD Group**	**Spindle Thread**	**Stem Diameter**
		in	mm	in	mm	in	mm			
W4900-1	62424	1	25	.001 / .0005 / .0001 / .00005	0.01 / 0.005 / 0.002 / 0.001	+/-.00012	+/-0.003	4	#4-48	.375"

Home Screen and Settings Menu

The Home screen links to the Dial and Digital Indicator screens, the Power Menu and the Settings Menu. The Settings Menu configures many Indicator features.
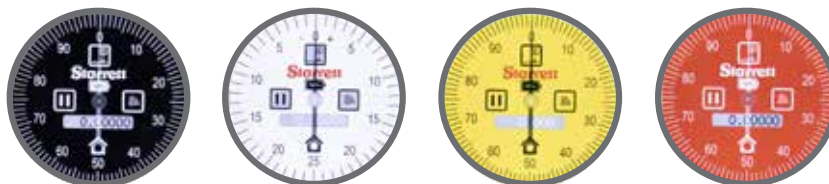
Home Screen

Settings Menu

English Dial

Metric Dial

Power Menu
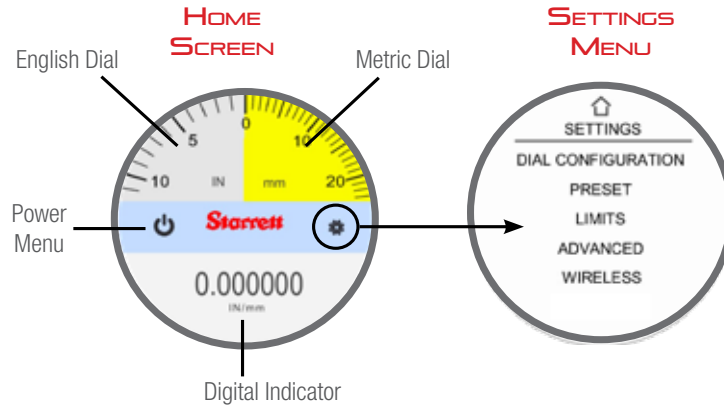
Digital Indicator

Analog and Digital Indicators

The English and Metric Dial Indicators are a faithful digital representation of our customary dial indicators with some helpful digital options.

Analog

Digital

English

Metric

Dial Indicators can be customized by dial reading, graduation and color.

Switch from analog to digital and back by tapping the digital readout.

Color Options

Choose from four color options for the Dial Indicator background.
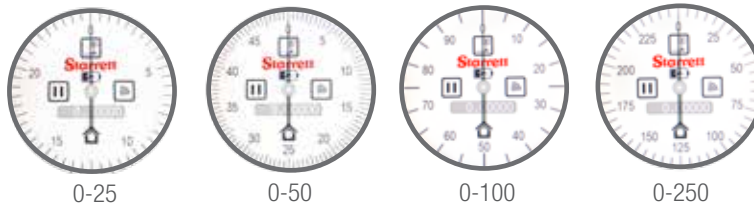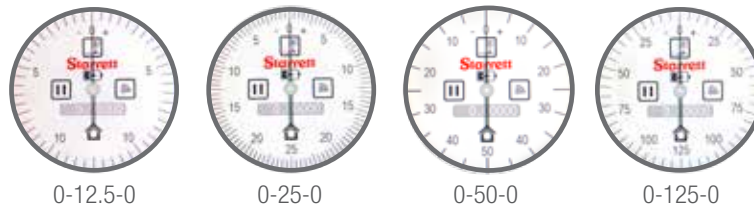
Dial Reading

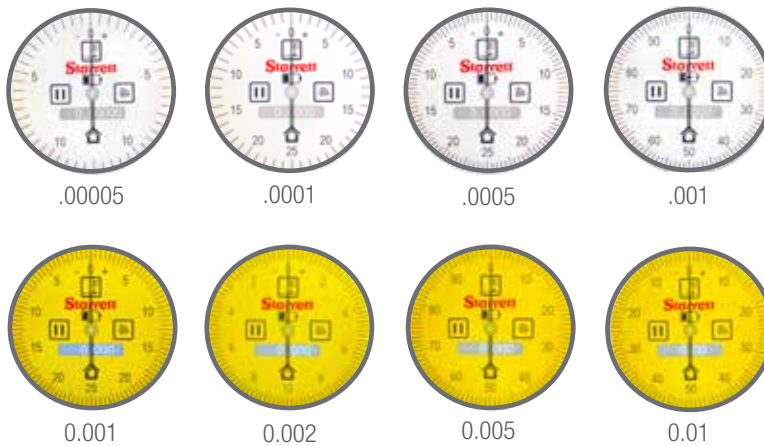The Dial Reading Menu provides a range of numerical displays for English or metric.

Continuous

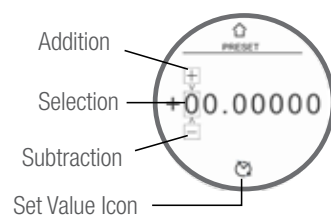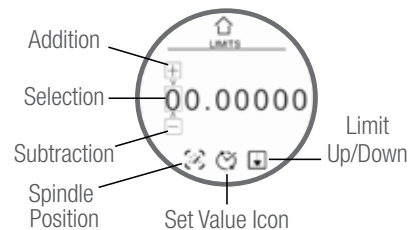|			
0-25	0-50	0-100	0-250

Balanced

0-12.5-0	0-25-0	0-50-0	0-125-0

Graduation

The Graduation Menu offers selectable resolutions for English or metric.

.00005	.0001	.0005	.001
0.001	0.002	0.005	0.01

Presets

Addition
Selection
Subtraction
Set Value Icon

+00.00000

Limits

Addition
Selection
Subtraction
Spindle Position
Set Value Icon
Limit Up/Down

00.00000

Profiles

Add Profile
Selection
Edit

Rotation

Tap here   12.5°

Special Function Indicators

765A Electronic Snap Gage

0-1/2"/0-12.7MM

High quality, economical gage that is ideal for inspectors, purchasing agents, sales people and others who need to quickly measure materials up to 1/2" or 12.7mm thick.

FEATURES

- Balanced, compact design
- Simple, logical control buttons
- Easy-to-read LCD
- Single, long-life battery with easy access
- Light-weight aluminum frame
- Inch/millimeter conversion
- Zero at any position
- Manual ON/OFF, AUTO OFF
- Furnished in fitted plastic case

765A* Electronic Snap Gage								
		Range		Linear Accuracy		Resolution	
Cat. No.	EDP	in	mm	in	mm	in	mm
765A	67659	0-1/2	0-12.7	± .001	± 0.02	.0005	0.01
Accessories								
Part No.	EDP	Description						
PT99492	65650	Two 3-Volt Batteries, CR2032						

* No output available on the 765A.

765A

Starrett®

ELECTRONIC THICKNESS GAGE

W1015 WIRELESS ELECTRONIC PORTABLE THICKNESS GAGE

0-1"/0-25MM

After inserting work between the measuring contacts, releasing the lever will cause the spindle to contact the work, giving an accurate size reading because measuring pressure is independent of the user. The contacts edges are radiused to prevent the work from being marred or deflected. The flat contact area measures 1/4" (6.3mm) in diameter and is 1/8" (3mm) thick.

Special contacts sizes and shapes are available by request.

Now available with digital readout and embedded radio to allow for data transmission up to 30'.

FEATURES

- Intuitive design and layout-easy to learn and use
- Positive tactile-feel button activation
- Long Battery life
- Origin set, zero set
- Auto Off after 20 minutes of non use
- Counting direction switching (+/-)
- Accuracy +/-.001" (+/-0.03mm)
- Inch/millimeter conversion
- Rechargeable battery port
- Embedded radio allows to send data up to 30' with no end nodes or cables

E1015 Electronic Portable Thickness Gage, Inch Reading					
Cat. No.	EDP	Throat Depth	Range	Resolution	Indicator Model Number
W1015BZ	62328	2-1/2"	1"/25mm	.0005" / 0.01mm	W2900-5-1
W1015BZ-6	62330	6"			

ELECTRONIC BORE GAGES

781 ACCUBORE® ELECTRONIC BORE GAGES (WITH OUTPUT)

.080-8"/2-200MM

INDUSTRY 4.0

AccuBore is a high-quality, trigger-activated, two-point and three-point contact bore gaging system with extended range. Its convenient single-hand operation provides speed and control. Simply squeeze the trigger, insert the gage into the bore and release the trigger for an instant reading from the large, easy-to-read digital display.

What makes AccuBore superior to other gages are features like the mechanically-driven parallel anvils which extend simultaneously, establishing a more true alignment to the axis of the bore. This provides consistent pressure, resulting in more accurate readings than models with spring-driven contacts which are subject to pressure variations.

Speed and convenience are further enhanced by the repositionable AccuBore® indicator, which may be swiveled and rotated for left, right hand or even vertical viewing. The gage also features a set of "Go/No-Go" lights in the readout display that quickly indicates whether a bore measurement is within a preset tolerance.

FEATURES

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Wireless capability
- Single-hand operation with right- and left-hand viewing flexibility
- Large, easy-to-read display
- Enhanced wear life with carbide-faced contacts – available from 1/2" to 8"
- Convenient "Go/No-Go" tolerance indicator lights
- True alignment with mechanically-driven parallel anvils
- Resolution .00005" (0.001mm)
- Accuracy of up to .00015" (0.004mm)
- Push button inch/metric conversion
- Preset and preset recall
- Hold, max/min and zeroing capabilities
- Blind bore measurement is standard for .50" (12.7mm) and above
- Specialized heads available for thread, groove and other non-standard measurements on request

BORE GAGE MEASURING TIPS

Whether to use a two-point or three-point contact measuring tool is usually a matter of preference, but there are some differences.

A two-point contact rod-type inside micrometer is usually lighter, easier to handle, and more versatile over long ranges from approximately 6-107" (150-2700mm).

Any two-point contact micrometer, regardless of range, can probe a hole better to find the geometry of that hole than a three-point contact.

Most three-point contact tools have setting rings to ensure accuracy. If you desire very close tolerance work with two-point contact inside micrometers, it is recommended that they be set to a ring gage or to an outside micrometer.

A three-point contact micrometer has an advantage in that it can be seated in position more quickly than a two-point contact tool.

Usually these tools can also be read to a finer accuracy. The three-point tool will tell the maximum true diameter that can enter the hole a little faster than a two-point contact tool.

Micrometer heads used in these tools are accurate to ± .0001" or 0.002mm, but overall accuracy on tools that add rods is dependent on good practice and technique.

To ensure accuracy, these practices should be followed:

- Always make sure that there are no specks of dirt between the clamping surfaces of the rods and micrometer heads
- Tighten all rods uniformly, not too tightly, not too loosely, but a fairly firm assembly
- Assembling long sections should be done vertically or, with support, horizontally
- Because temperature can affect long rods used in these tools, they should be assembled in the same environment in which they will be used

781BXTZ-138

Sets include gage, contacts, setting rings, instructions, certificate of calibration and a 3v lithium battery in a protective carrying case

IP67

INDUSTRY 4.0

Output jack enables collection of measurement data for SPC analysis

781BXT AccuBore Electronic Bore Gages with Output – 2-Point Contact (.080-.250" (2-6mm) Range)

Cat. No.	EDP	Range in	mm	Accuracy in	mm	Approx Meas. Depth in	mm	Ring Diameter in	mm
781BXTZ-100	73017	.080-.100	2-2.5	± .00015	± .004	3/8	9	.100	2.54
781BXTZ-120	73016	.100-.120	2.5-3						
781BXTZ-160	73014	.120-.160	3-4	± .00015	± .004	1/2	12	.160	4.06
781BXTZ-200	73012	.160-.200	4-5	± .00015	± .004	3/4	18	.200	5.08
781BXTZ-250	73011	.200-.250	5-6						

781BXT AccuBore® Electronic Bore Gages with Output – 3-Point Contact (1/4-8" (6-200mm) Range) – Fixed Anvils

Cat. No.	EDP	Range in	mm	Accuracy in	mm	Approx Meas. Depth in	mm	Ring Diameter in	mm
781BXTZ-312	73009	1/4-5/16	6-8	± .00015	± .004	2-1/4	58	.3125	7.94
781BXTZ-375	73007	5/16-3/8	8-10						
781BXTZ-500	73004	3/8-1/2	10-12.5	± .00015	± .004	2-1/4	58	.500	12.7
781BXTZ-625	73002	1/2-5/8	12.5-16	± .00015	± .004	2-3/8	62	.500	12.7
781BXTZ-750	73000	5/8-3/4	16-20					.750	19.05
781BXTZ-1	73018	3/4-1	20-25	± .00015	± .004	2-5/8	66	.750	19.05
781BXTZ-138	73015	1-1-3/8	25-35					1.375	34.93
781BXTZ-2	73013	1-3/8-2	35-50	± .00015	± .004	3-1/16	80	1.375	34.93
781BXTZ-258	73010	2-2-5/8	50-65	± .0002	± .005	3-1/16	80	2.625	65.68
781BXTZ-314	73008	2-5/8-3-1/4	65-80					3.250	82.55
781BXTZ-4	73006	3-1/4-4	80-100	± .0002	± .005	3-3/8	85	3.250	82.55
781BXTZ-5	73005	4-5	100-125	± .00025	± .006	4	100	5.0	127.00
781BXTZ-6	73003	5-6	125-150						
781BXTZ-7	73001	6-7	150-175	± .0003	± .007	4	100	7.0	177.80
781BXTZ-8	72999	7-8	175-200						

Pistol Grip Gage Only with Indicator*

Cat. No.	EDP	Range in	mm
781BXTP-250	73021	.080-.250	2-6
781BXTP-750	73019	1/4-3/4	6-20
781BXTP-4	73020	3/4-4	20-100
781BXTP-12**	73022	4-8	100-200

Larger sizes available on special order.
Gages are also available with dial indicators on special order.
* Does not include heads, rings, etc.
** Heads above 8" available on special order.

AccuBore XT's indicator can be rotated, allowing easy reading from either the right or left hand, or when accessing difficult to reach holes

ELECTRONIC BORE GAGES

781 ACCUBORE® ELECTRONIC BORE GAGES

See page 25 for features and specifications

IP67

INDUSTRY 4.0

781BXT AccuBore Electronic Bore Gage Set – 2-Point Contact (.080-.250" [2-6 mm] Range)					
Cat. No.	EDP	Range in	mm	Number of Heads	Number of Rings
S781BXTBZ	72998	.080-.250	2-6	5	3

781BXT AccuBore Electronic Bore Gage Sets –3-Point Contact (.250-8" [6-200mm] Range – Fixed Anvils)					
Cat. No.	EDP	Range in	mm	Number of Heads	Number of Rings
S781BXTCZ	72997	.250-.375	6-10	2	1
S781BXTHZ	72992	.250-.750	6-20	5	3
S781BXTDZ	72996	.375-.750	10-20	3	2
S781BXTEZ	72995	.750-2.00	20-50	3	3
S781BXTJZ	72991	.750-4.00	20-100	6	4
S781BXTFZ	72994	2.00-4.00	50-100	3	2
S781BXTKZ	72990	4.00-6.00	100-150	2	1
S781BXTGZ	72993	4.00-8.00	100-200	4	4
S781BXTLZ	72989	6.00-8.00	150-200	2	1

Larger sizes available on special order.
Gages are also available with dial indicators on special order.

Accessories for 781BXT Electronic Internal Micrometers				
			Required for Initial Wireless Connection	
Part No.	EDP	Description	1 Device	> 1 Devices
PT61055	72941	770B Output Cable to USB		
PT61057	72942	770B Output Cable to USB with Footswitch		
		Free VMUX Software - 1 channel; visit starrett.com	x	
PT02497	73447	Wireless 4.0 dongle to PC VMUX Lite (1channel); VMUX standard (8 channels)	x	x
PT60996	72945	VMUX Standard Software (up to 32 tools)		x
PT99492	65650	Two 3-Volt Batteries, CR2032		
PT02498	73024	Wireless 4.0 Indicator for 0.080-0.75" gages		
PT02499	73025	Wireless 4.0 Indicator for 0.75-12" gages		

Larger sizes available on special order.
Gages are also available with dial indicators on special order.

Extensions from 2-1/2 - 6" can be added to the 781XT, enabling internal measurements in deep hole bores

781BXTZ-500

S781BXTGZ

770BXTZ-250 Bore Gage with PT24272 Depth Stop Collar

Starrett®

Electronic Bore Gages

770 Electronic Bore Gages with IP67 Protection (with output)

.080-12"/2-300MM

770BXT Electronic Internal Micrometers provide IP67 level of protection against coolant, water, dirt and dust in hostile shop environments. In addition, they offer extended travel, reducing the need to exchange anvils.

770BXTZ-138

Features

- Equipped with an RS232 output - ideal for use with DataSure Wireless Data Collection System
- Wide measurement range without changing anvils
- Resolution to .00005" (0.001mm)
- Large high-contrast LCD digital readout is easy to read and reduces error
- Carbide measuring faces on sizes above 1/2" (12.5mm) diameter
- Extensions available for deep holes
- Includes instant inch/millimeter conversion and preset + and - functions
- Precision ratchet stop provides correct contact pressure for accurate readings
- Each micrometer bore gage with head comes with a wooden case, complete with setting ring, contacts, adjusting wrench, spare battery, and instructions

IP67

INDUSTRY 4.0

780XT Electronic Internal Micrometers, 2-Point Contact (.080-.250" (2-6mm) Range)									
		Range		Accuracy		Approx. Meas. Depth		Ring Diameter	
Cat. No.	EDP	in	mm	in	mm	in	mm	in	mm
770BXTZ-100	72539	.080-.100	2-2.5	± .00015	± .004	3/8	9	.100"	2.54
770BXTZ-120	72540	.100-.120	2.5-3						
770BXTZ-160	72541	.120-.160	3-4	± .00015	± .004	15/32	12	.160"	4.06
770BXTZ-200	72542	.160-.200	4-5	± .00015	± .004	3/4	18	.160"	4.06
770BXTZ-250	72543	.200-.250	5-6	± .00015	± .004	3/4	18	.200"	5.08

780XT Electronic Internal Micrometers, 3-Point Contact (1/4-12" (6-300mm) Range), Fixed Anvils									
		Range		Accuracy		Approx. Meas. Depth		Ring Diameter	
Cat. No.	EDP	in	mm	in	mm	in	mm	in	mm
770BXTZ-312	72544	1/4 – 5/16	6-8	± .00015	± .004	2-1/4	58	.3125	7.94
770BXTZ-375	72545	5/16 – 3/8	8-10						
770BXTZ-500	72546	3/8 – 1/2	10-12.5	± .00015	± .004	2-1/4	58	.500	12.7
770BXTZ-625	72547	1/2 – 5/8	12.5-16	± .00015	± .004	2-3/8	62	.500	12.7
770BXTZ-750	72548	5/8 – 3/4	16-20	± .00015	± .004	2-5/8	66	.750	19.05
770BXTZ-1	72549	3/4 – 1	20-25						
770BXTZ-138	72562	1 – 1-3/8	25-35	± .00015	± .004	3-1/16	80	1.375	34.93
770BXTZ-2	72563	1-3/8 – 2	35-50						
770BXTZ-258	72564	2 – 2-5/8	50-65	± .00020	± .005	3-1/16	80	2.625	65.68
770BXTZ-314	72566	2-5/8–3-1/4	65-80						
770BXTZ-4	72567	3-1/4 – 4	80-100	± .00020	± .005	4	100	3.250	82.55
770BXTZ-5	72568	4 – 5	100-125	± .00025	± .006	4-1/2	115	5.0	127.00
770BXTZ-6	72569	5 – 6	125-150						
770BXTZ-7	72570	6 – 7	150-175	± .00030	± .007	4-1/2	115	7.0	177.80
770BXTZ-8	72571	7 – 8	175-200						
770BXTZ-9	72572	8 – 9	200-225	± .00030	± .007	4-5/8	118	9.0	228.60
770BXTZ-10	72573	9 – 10	225-250						
770BXTZ-11	72574	10 – 11	250-275	± .00035	± .009	4-5/8	118	11.0	279.40
770BXTZ-12	72575	11 – 12	275-300						

See next page for sets.

Accessories for 770BXT Electronic Internal Micrometers				
			Required for Initial Wireless Connection	
Part No.	EDP	Description	1 Device	> 1 Devices
PT61055	72941	770B Output Cable to USB		
PT61057	72942	770B Output Cable to USB with Footswitch		
		Free VMUX Software - 1 channel; visit starrett.com	x	
PT02497	73447	Wireless 4.0 dongle to PC Vmux Lite (1channel); VMUX standard (8 channels)	x	x
PT60996	72945	VMUX Standard Software (up to 32 tools)		x
PT99492	65650	Two 3-Volt Batteries, CR2032		

See page 41 for sets.

Electronic Bore Gages

770 Electronic Bore Gages with IP67 Protection (with output)

See page 25 for features and specifications

IP67

INDUSTRY 4.0

770BXT Electronic Internal Micrometer Sets, 2-Point Contact (.080-.250" [2-6mm] Range)					
Cat. No.	EDP	Range in	mm	Number of Heads	Number of Rings
S770BXTBZ	72576	.080-.250	2-6	5	3

770BXT Electronic Internal Micrometer Sets, 3-Point Contact (1/4-8" [6-200mm] Range), Fixed anvils					
Cat. No.	EDP	Range in	mm	Number of Heads	Number of Rings
S770BXTCZ	72577	1/4-3/8	6-10	2	1
S770BXTDZ	72578	3/8-3/4	10-20	3	2
S770BXTEZ	72579	3/4-2	20-50	3	2
S770BXTFZ	72580	2-4	50-100	3	2
S770BXTKZ	72581	4-6	100-150	2	1
S770BXTGZ	72582	4-8	100-200	4	2
S770BXTLZ	72583	6-8	150-200	2	1

S770BXTKZ

Inreach Extensions for 770B, 781B, 781 Bore Gages

Extensions from 2-1/2 - 6" can be added to both the 770BXT and 78XT, enabling internal measurements in deep hole bores (Multiple extensions can also be used).

Internal Extensions						
Cat. No.	EDP	Ext. Size in	mm	Fits Models	Model Size in	mm
78/782F	65484	2.5	63	78XT, 770BXT, 781BXT–312-375	1/4-3/8	6-10
78/782G	65485	3	75	78XT, 770BXT, 781BXT–375-500	3/8-1/2	10-12.5
78/782H	65486	4	100	78XT, 770BXT, 781BXT–625-750	1/2-3/4	12.5-20
78/782J	65487	6	150	78XT, 770BXT, 781BXT–1 thru 2	3/4-2	20-50
78/782K	65488	6	150	78XT, 770BXT, 781BXT–2 thru 12	2-12	50-300

78-782J with 770BZ-2

Starrett

PORTABLE HARDNESS TESTERS

3811A COMPACT HARDNESS TESTER

The 3811A is a state of the art, digital portable hardness tester, designed to test the hardness of large, hard metal parts.

The 3811A combines fast test speeds with ample memory and output. It performs tests that easily convert to most popular hardness scales such as Rockwell, Brinell, Vickers and Shore.

This compact hardness tester is loaded with useful functions usually found only on high priced models.

INDUSTRY 4.0

Includes base instrument, impact device D, calibrated test block, custom carry case, cleaning brush and operation manual

3811A Portable Hardness Tester and Accessories		
Cat. No.	**EDP**	**Description**
3811A	69881	Digital portable hardness tester with impact device D, calibrated test block, cleaning brush and carry case
HT-1800-110	20940	D+15 Impact Device
HT-1800-115	20941	DL Impact Device
HT-1800-125	20942	G Impact Device
HT-1800-130	20943	C Impact Device
HT-1800-120	20944	DC Impact Device
HT-1800-100	20945	Replacement D Impact Device
HT-1800-102	20946	Replacement Cable For All Impact Devices
HT-2500-105	20947	Replacement Impact Body
HT-1300-01	20948	Leeb D Test Block
HT-1100G-01	20949	Leeb G Test Block
S38R	67285	Support Ring Set

3811A Portable Hardness Tester with Integrated, Multi-functional Features	
Style	**Applications**
D+15	Very narrow contact area with a set backed measurement coil. Measures hardness in grooves and recesses. Weight: 80g
DC	Extremely short impact device. Used for very confined spaces such as, holes, cylinders and internal measurements
C	Reduced impact energy probe (2 ft-lb) for measuring hardness of coatings, surface hardened, thin wall or impact sensitive components. Applies superficial indentation. Weight: 75g
G	Enlarged test tip and increased impact energy range (72 ft-lb – approx. 9 times the D). For lower quality finishes measuring in the Brinell range only (max. 650 HB). Designed for components like heavy castings, forgings. Weight: 250g
DL	Needle front section with 4mm diameter and 50mm length. Ideal for testing in confined spaces, the base of grooves and special components like gear wheels. Steel/Cast steel

G

DL

Optional Remote Impact Devices

D

C

53
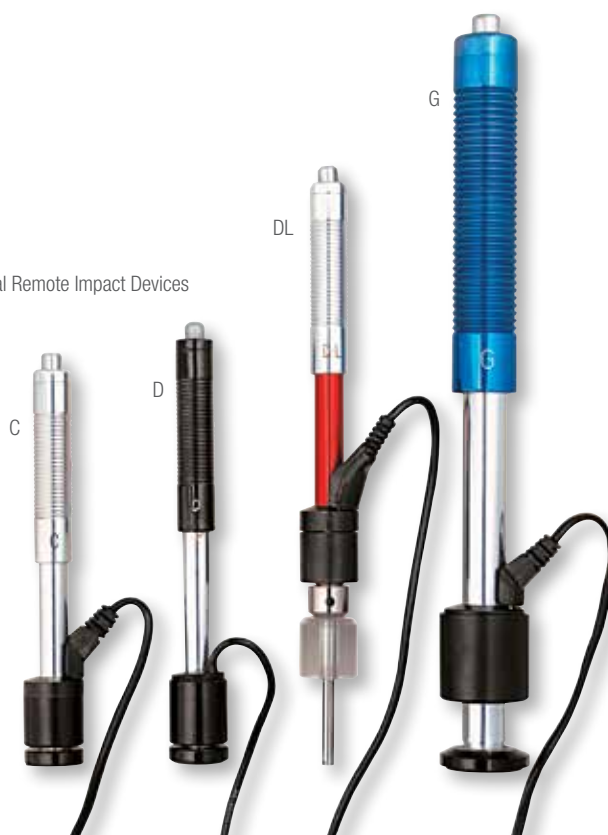
PORTABLE HARDNESS TESTERS

3810A DIGITAL PORTABLE HARDNESS TESTER

The 3810A is a state-of-the-art digital instrument designed to test the hardness of large hard metal parts. Loaded with useful functions such as USB output and a built in printer, the 3810A is an ideal choice for fast, accurate hardness testing.

This versatile tester can perform tests that easily convert to the most popular hardness scales, including Rockwell, Brinell, Vickers and Shore.

The tester is easy to use: simply load the impact body, place the impact body on your test piece, then push the button to begin testing.

The 3810A is designed to test large hard parts that cannot be brought to a bench top machine. For example, tool steel should be close to 1" thick of solid material. The 3810A comes with a D impact device, calibration block, cleaning brush, manual and a carrying case.

3810A Portable Hardness Tester and Accessories

Cat. No.	EDP	Description
3810A	69871	Tester, D impact device, calibration block, cleaning brush, operation manual, custom carry case
HT-1800-110	20940	D+15 impact device. Very narrow contact area with set backed measurement coil. Measures hardness in grooves and recesses.
HT-1800-115	20941	DL impact device. Needle front section with 4mm diameter and 50mm length. For testing in confined spaces such as groove bases and special components such as gear wheels.
HT-1800-125	20942	G impact device. For components such as heavy castings and forgings. Enlarged test tip and increased impact energy range. For lower quality finishes measuring in the Brinell range only. G block required.
HT-1800-130	20943	C impact device. Reduced impact energy probe for measuring hardness of coatings and surface hardened, thin wall or impact- sensitive components. Applies superficial indentation.
HT-1800-120	20944	DC impact device. Very short for confined areas such as internal bores for various inside measurements.
HT-1800-100	20945	Replacement D impact device. Universal standard probe for a wide variety of applications.
HT-1800-102	20946	Replacement cable for all impact devices
HT-2500-105	20947	Replacement impact body D
HT-1300-01	20948	Leeb D test block
HT-1100G-01	20949	Leeb G test block
S38R	67285	Support ring set

INDUSTRY 4.0

SPECIFICATIONS

- Accuracy: ± 0.5% (referred to L=800)
- Repeatability accuracy: ± 4L units (L=Leeb)
- Measuring range: 200-960 HL
- Materials: steel & cast steel, alloy tool steel, stainless steel, grey cast iron, spheroidal iron, cast aluminum, brass, bronze, wrought copper alloy
- Battery type: AA alkaline (4)
- Operating temperature: 5-104 °F
- Dimensions: 150 x 74 x 32mm
- Weight: 245 grams
- Includes 3810A tester, impact device D, calibration test block, cleaning brush, operation manual, custom carry case
- Available options include DC, D+15, DL, G, C impact devices, and special support rings

FEATURES

- Easy to use keypad operation
- Auto identification of impact device
- Large LCD display with back light
- USB ouput
- Automatic conversions to: Brinell, Rockwell B & C, Vickers and Shore
- Automatic mean value as well as Min & Max values
- Battery indicator
- Memory capacity (100 groups)

3810A

Starrett®

Portable Hardness Testers

3821 and 3822 Hardness Tester

The 3821 and 3822 units produce non-destructive hardness testing results and are built for the shop floor. They are effectively the same unit, differentiated by the probe type (2kg & 5 kg, respectively). The 2 Kg (3821) probe is suitable for surfaces with an Ra below 200 µin and the 5 Kg(3822) probe is suitable for surfaces with an Ra below 400 µin. The other key feature about these units is that they perform very well on thin materials. For example, it can successfully measure hardness on steel parts which are down to 0.08" (2mm) in thickness.

Features and Specifications

- Non-Destructive hand held hardness tester
- Combines UCI and Leeb hardness testing in one state of the art device
- Test steel with min thickness of .08" and unlimited max thickness
- Rockwell, Brinell Vickers conversions shown on display
- Large Memory w/USB Output
- Choice of manual UCI probes; 2kg and 5kg
- Optional Motorized Probes: .30kg, .80kg, & 1kgf
- Available Impact Devices(Leeb) D, DC, D+15, G & DL

3821/3822 Ultrasonic Thickness Tester		
Cat. No.	EDP	Description
3821	72978	3821 Ultrasonic Hardness Tester
3822	72979	3822 Ultrasonic Hardness Tester

3821/3822 Ultrasonic Thickness Tester		
Cat. No.	EDP	Description
HT-6000-221	20005	Motorized Probe - 0.3kg, Ultrasoinc Hardness Testers
HT-6000-241	20006	Motorized Probe - 0.8kg, Ultrasonic Hardness Testers
HT-6000-301	20007	Replacement Cable - Ultrasonnic Hardness Tester Probes
HT-6000-310	20001	Manual Probe - 10kg, Ultrasonic Hardness Testers
HT-6000-400	20002	Manual Probe - 1kg, Ultrasonic Hardness Testers
HT-6000-400-01	20000	Support Handle - Ultrasonic Portable Hardness Testers
HT-6000-711	20003	Standard Probe Cap - Ultrasonic Hardness Tester Probes
HT-6000-721	20004	Deep Hole Probe Cap - Ultrasonic Hardness Tester Probes
HT-6000-MAN	20206	Support Stand - Ultrasonic Hardness Testers

Roughness Testers

Surface Roughness Testers

SR160, SR300 AND SR400

Starrett surface roughness testing equipment is simple, accurate and of high quality. These units are tough, shock tested, and capable of withstanding the demands of a shop environment. Our surface roughness testers meet the increasing requirements across industries like safety, aerospace, automotive, precision bearings, and general manufacturing.

SR300/SR400

Surface Roughness Testers

Cat. No.	EDP	Description
SR160	72584	SR160 display with 5mm traverse unit, pick-up, diamond stylus, calibration standards, manual, carrying case, and international power adaptors.
SR300	21000	SR300 display with 17.5mm traverse unit, TalyProfile Lite software, pick-up, diamond stylus, calibration standard, manual and carrying case.
SR400	21001	SR400 display with 25mm traverse unit, TalyProfile Lite software, pick-up, diamond stylus, calibration standard, manual and carrying case.

Accessories - SR160

Cat. No.	EDP	Description
SR-112-4545	20220	USB charger
SR-112-5085	72666	Hard transport case
SR-112-2937	20968	Extra reference standard

Accessories - SR300 and SR400

Cat. No.	EDP	Description
SR-112-1534	20962	Reference standard
SR-112-2693	20964	Column and stand
SR-112-4545	20220	USB charger
SR-112-1517	20963	Support stand
SR-112-4589	20998	USB thermal printer
SR-112-4571	20999	Thermal paper
SR-112-1645	73033	Pair of 115mm (5.85") vee blocks
SR-112-2694	73036	Precision vise
SR-112-2695	73037	Ball joint vise

Software

Cat. No.	EDP	Description
SR-112-3680	20952	TalyProfile Gold - 2D analysis
SR-112-3681	20953	TalyProfile Silver - 2D analysis

Parameters

Cat. No.	EDP	Description
SR-112-4607	73038	AN-10 ISO 13565 automotive parameters for S116
SR-112-4608	73039	AN-11 statistics module for S116
SR-112-4609	73040	AN-12 ISO primary parameter set for S116

Pick-Ups

Cat. No.	EDP	Description
SR-112-1510	20961	7.875" (200mm) extension rod with lead
SR-112-1502	20956	Standard pick-up with 200µin (5µm) stylus
SR-112-1503	20957	Standard pick-up with 400µin (10µm) stylus
SR-112-1531	20959	Right angle pick-up
SR-112-1506	20960	Recess pick-up
SR-112-1524UB	73028	Pick-up with chisel edge stylus
SR-112-1525	73029	Pick-up lift mechanism
SR-112-1531UB	73030	Pick-up with slide skid
SR-112-1599UB	73032	Pick-up with shoe
SR-112-2672UB	73034	Recess pick-up (2µm, 80µin, tip radius)
SR-112-2673UB	73035	Small bore pick-up (2µm, 80µin, tip radius); SR-112-4701 is preferred
SR-112-4707	73041	O-Ring pick-up
SR-112-4708	73042	25mm recess pick-up
SR-112-4709	73043	15mm recess pick-up
SR-112-4710	73044	O-Ring pick-up narrow
SR-112-4712	73046	O-Ring pick-up; deep 25mm
SR-112-4713	73047	O-Ring pick-up; deep 25mm with 2µm tip
SR-112-4714	73048	Flat skid pick-up
SR-112-4715	73049	Standard 112/1502 pick-up with 2.5µm tip
SR-112-4716	73050	Side skid pick-up 112/1531 with 2µm tip

All accessories listed above are available for order. Please contact your local Starrett representative for additional or special requirements.

SR160

Starrett®

Electronic Durometer

3805 Electronic Durometer

The 3805 Durometers are designed to test the hardness of rubbers and plastics. These sleek hand held hardness testers are crafted and engineered to perform at the highest level of accuracy. An ergonomic, lightweight design assists in taking precise and consistent hardness measurements. Note: These units are not designed to ASTM specifications and cannot be certified as such.

Shore A scale is for testing the following materials:
Rubber: Soft vulcanized (i.e. tire), natural, nitrile Elastomeric materials (rubber & rubber like): GR-S, GR-1, neoprene, thiokol, flexible polyacrylic esters.
Other: Wax, felt, leather, etc. (materials that normally yield under fingernail pressure, such as the heel on your shoe).

Shore D scale is for testing the following materials:
Rubber: Hard
Plastics: Harder grades such as rigid thermoplastics, plexiglass, thermoploystrene, vinyl sheet, cellulose acetate, thermosetting, laminates (i.e. formica)
Other: Printing rolls, densified wood, etc. (materials that would not normally indent under fingernail pressure, such as a pocket comb or bowling ball).

Features and Specifications (3805B & 3805D)

- Measuring range: 0-100
- Deviation: <1%H
- Resolution: 0.5H
- Digital readout
- Auto Hold feature
- Accurate and repetitive deviation = 20~90HSA   HSA<+/-1grade
- Uses 1-SR44 Button Cell Battery
- Storage case
- Energizer 357/303 (SR44W, SR44SW, EPX76) Silver Oxide multi drain watch battery

3805 Electronic Durometer		
Cat. No.	EDP	Description
3805B	69882	3805B Shore A Scale Electronic Durometer in plastic case
SRB-3	68200	Shore A 3 Rubber Test Block Certified Set
3805D	02059	3805D Shore D Scale Electronic Durometer in plastic case

Testers

THICKNESS GAGES

3812 ULTRASONIC THICKNESS GAGE

The 3812 Ultrasonic Thickness Gage is a state-of-the-art digital ultrasonic thickness gage packed with features typically found only on high end models.

It measures the thickness of metallic and non-metallic materials such as steel, aluminum, titanium, plastics, ceramics, glass and any other good ultrasonic wave conductor that has parallel top and bottom surfaces.

This dynamic ultrasonic thickness gage accurately displays readings in either inch or millimeter units after a simple calibration to a known thickness or sound velocity.

3812 Ultrasonic Thickness Gage and Accessories

Cat. No.	EDP	Description
3812	67668	3812 Ultrasonic Thickness Gage, software, USB cable, couplant gel and carry case
UTG2800-400	72686	Replacement probe (straight) for 3812

FEATURES AND SPECIFICATIONS

- 4 digit LCD display with back light
- Upper/Lower limit preset alarm
- Measurement and scanning capabilities
- Adjustable sound velocity
- Extended memory
- 20 memory groups (100 files/group)
- Minimum display unit: 0.001" (0.01mm) selectable
- .040-12.0" measuring range (in steel with standard probe)
- 32-122 °F operating temperature
- 5MHz Frequency
- 4Hz update range
- USB output
- Power supply: Two 3V AA alkaline batteries with approximately 100 hours of life (with the backlight off)
- Power consumption: Working current is less than 3V
- Accuracy: ± (0.5% thickness + .001")
- Dimensions: 5.90 x 2.91 x 1.30" (150 x 74 x 33mm)
- Weight: 8.6oz (245g)
- Includes tester and cables, software, USB cable, couplant gel and a rugged, form fit carrying case

3812

Starrett®

Thickness Gages

3813 Coating Thickness Gage

The 3813 Coating Thickness Gage is a state-of-the-art coating thickness gage that utilizes the characteristics of both eddy current and magnetic induction to perform two types of thickness calculation.

The gage uses an integrated probe to automatically determine whether the substrate is ferrous or non-ferrous. Then, it either detects the thickness of non-magnetic coating on a magnetic substrate (ferrous) or the insulating coating on a non-magnetic conductive substrate (non-ferrous).

Testing performance is non-destructive and extremely accurate. The 3813 is ideal for a broad range of applications in manufacturing, engineering and commercial inspection.

3813 Thickness Gage

Cat. No.	EDP	Description
3813	69883	Coating Thickness Gage with steel and aluminum substrate samples, four calibrated thickness samples, batteries, manual and case

3813

Features and Specifications

- Measuring range: 0-40mils (0-1000μm) max.
- Resolution: 0.1μm/0.1mils (0-99μm) or 1μm (over 100μm)
- Guaranteed tolerance (after one-point calibration): ± 1-3%n or 2μm (whichever is greater)
- 4-digit display, .40" (10mm) height,
- Minimum measuring area: .20 x .20" (5 x 5mm)
- Minimum radius of curvature: Convex: .12" (3mm), Concave: 1.2" (30mm)
- Minimum substrate thickness: Ferrous: 20 mils (0.5mm), Non-ferrous: 2 mils (50μm)
- Zero calibration
- Foil calibration
- Maximum surface temperature of test object: 302 °F (maximum contact time 2 seconds)
- Power source: Four AA batteries
- Includes steel and aluminum substrate samples
- Includes four calibrated thickness samples
- Dimensions: 6.39 x 2.74 x 1.27" (161 x 69 x 32mm)
- Weight: 9oz. (260g)

Testers
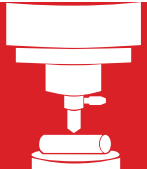
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