

MSI
VIKING

Fowler[®]
HIGH PRECISION

CUSTOMER SHOWCASE



BALTIC BOAT WORKS, LLC
classic yacht restoration

TOOL-A-THON

V25.2 - JUNE 1-SEPT 1

FOWLERPRECISION.COM



Electronic External Caliper p.19



Snap-Cal



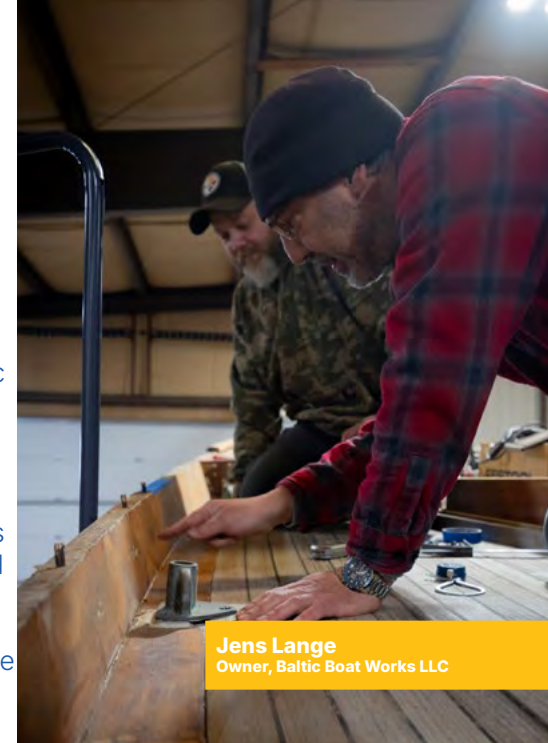
Mini-mag p37



"When you're working with wood that's extremely scarce and costly, every fraction of an inch matters,"

notes Jens Lange, owner of Baltic Boat Works LLC., in Bristol, Rhode Island. Working with rare, expensive materials like teak, Baltic Boat Works uses Fowler tools to make even the smallest gains in material efficiency.

A German-born entrepreneur, Jens left the corporate automotive world in 2010 to pursue his true passion, wooden boat restoration. Starting with just a 2,000-square-foot space and a dream, Jens transformed his lifelong love of boats into a thriving business, expanding to a 12,000-square-foot facility with a staff of four, growing Baltic Boat Works into one of the premier wooden boat restoration specialists in the US.



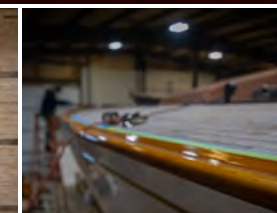
Jens Lange
Owner, Baltic Boat Works LLC



Digi-Pro Electronic Protractor p. 38



Square, Protractor and Center Head p. X



Fowler Sylvac SCAN S25T

Fast & accurate scanning for shafts, small cylindrical parts & threads



One click ease-of-use

Features:

- Ideal for small cylindrical parts, shafts and threads
- Measuring range: 1.02"/26mm Diameter: 7.87"/200mm Length
- High resolution and high accuracy
- One-click rapid measuring
- 30° tilting optics for complete thread measurements

Order No. 54-902-025-5



Demo Video

Available in a range of sizes



sylvac



SWISS MADE



Portable CMM

(Coordinate Measuring Machine)

- **Touch & teach software**
- **360-degree rotation**

Features:

- Compact for use at the machine center
- Accuracy: MPEE 0.0003"/0.008mm
- Completely portable, only 30 lbs.
- Ethernet communication (Bluetooth optional)

Order No. 54-950-001-0

Shop floor CNC CMM

(Coordinate Measuring Machine)

Features:

- Short learning curve and compact footprint
- Y-axis options from 600mm to 1500mm
- Workshop-friendly with vibration protection
- Friction-free air bearings, aluminum bridge, and granite table

Axiom Too



303 ABERLINK Innovative Metrology



FUSION
The easiest metrology software on the market

Fulcrum

Manual CMM

(Coordinate Measuring Machine)

Take the next step from hand tools to faster, and more accurate inspection of complex features



Order No. 54-960-400-0

Features:

- Small footprint allowing measurements right next to your machine
- Intuitive software, allows quick and easy measurement
- Minimal setup
- Programmable magnetic soft buttons allow you to quickly change between software features without using a mouse
- Magnetic fixture templates allow you to quickly fix your part
- Volumetric accuracy of 0.0002"/0.005mm
- Uses a single USB cable to connect and requires no air

Part Inspection with Touch Mode or Scanning Mode



Rapid Measuring Systems

One touch measuring

- Scans in 2 seconds!
- Up to 5,000 dimensions
- Up to 1024 work pieces

Features:

- Simultaneous measuring up to 100 parts
- Simple place and press measurement finish in 3 seconds
- No more operator errors
- Powerful yet easy to use measuring software
- Up to 12" x 8" field of view
- High resolution: 0.00004"/0.0001mm
- Accuracy: 0.00006"-0.0002"/0.0015mm-0.005mm



One touch measuring

Horizontal Setting and Calibration

Setting of measuring equipment with variable dimensions.



HC5

Features:

- Designed for the calibration of fixed and variable measuring equipment
- Available in sizes up to 120"
- Adjustable measuring force

Order No. 54-197-370-0



HS6

Features:

- For setting equipment with variable dimensions quickly and accurately
- Available in sizes up to 120"
- Large selection of accessories to handle any job

Order No. 54-196-900-5



The New Trimos V4+ electronic height gage

The Fowler Trimos V series vertical measuring instruments have been developed for the most difficult shop floor environments. Manufactured in Switzerland, they guarantee precise and repeatable measurements with superior ease of use.

NEW V4+ Features:

- Our most affordable 2D height gage
- Smart touch navigation (outstanding UX)
- Dynamic graphical feedback
- Supports long and heavy probes up to 400 mm
- Integrated 2-coordinate measurement
- Simplifies complex measurements with integrated measurement programs
- Integrated smooth air cushion system for effortless movement on the measuring table
- Connectivity: USB, RS232, and Wireless options

Details:

- Measures ID/OD, centerlines, heights, widths, depths, min/max/delta, slots, grooves & more!
- Electronically adjustable measuring force 0.75/1.5 (N)
- Resolution: 0.001 mm
- Lithium-ion rechargeable batteries last up to 40 hours
- Bluetooth transmitter available

All models include:

- Charging unit
- Measuring probe with ruby ball Ø4mm
- Probe holder elbow Ø 8mm
- Setting gage
- Test certificate
- 5 Year Warranty



54-191-440-2D



Certify Any Height Gage Below For Only **\$199.00**
Valid only for Tool-A-Thon 25.2

54-199-570-0

54-192-340-0

54-199-770-0

Order No.	Range with Probe Inverted	List Price	Sale Price
V3			
54-192-340-0	20"/508mm	\$6,559.00	\$5,904.00
54-192-370-0	31.9"/812mm	\$6,670.00	\$6,003.00
V4			
54-191-440-0	28.3"/719mm	\$7,969.00	\$7,7173.00
54-191-470-0	40.2"/1023mm	\$10,050.00	\$9,045.00
V4+			
54-191-440-2D	28.3"/719mm	Call/email for special pricing	
54-191-470-2D	40.2"/1023mm		
V5			
54-199-540-0	28.3"/719mm	\$8,783.00	\$7,905.00
V7			
54-199-770-0	40"/1023mm	\$15,466.00	\$13,920.00
Probe Sets			
54-199-105-0		\$2,328.00	\$2,096.00
Accessories			
54-199-400-0	Ø8mm Ceramic Probe Holder L=400mm	\$1,413.00	\$1,272.00



Fowler Sylvac Hi_Cal V2 Electronic Height Gages

For your finer, more delicate parts.

Features:

- Bluetooth for quick, easy recorded measurements
- Extra low measuring force, from 0.2N
- Measure internal and external diameters, centerlines, heights, widths, depths and MIN/MAX/TIR capability
- Battery life: 40 hours rechargeable during operation
- Touch sensitive probe speed for easy operation
- Base with small footprint

**ISO Certification available
for \$199.00 extra!**



54-931-150-BT

All models Include:

- Protective cover
- Ruby ball probe Ø3mm
- Setting gage
- Calibration certificate



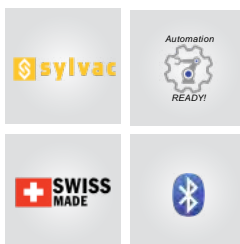
54-931-300-BT



54-931-450-BT



54-930-217-0



Order No.	Range	Accuracy	List Price	Sale Price
54-931-150-BT	6"/150mm	12"/306mm	\$6,490.00	\$5,841.00
54-931-150-BT-C	6"/150mm with ISO/A2LA Certification	24"/611mm	\$6,709.00	\$6,039.00
Accessories				
54-930-217-0	Standard Probe Accessory Kit, 5 Piece		\$1,152.00	\$1,037.00

NEW V1 & V1+ Electronic Height Gages

Introducing the next generation of Trimos entry-level height gages for the workshop.

Features:

- Accuracy: 0.0012"/0.03mm
- Bluetooth/RS232 data output
- Steel base and extra large display with simplified keypad
- V1 features a fine adjust hand-wheel for scribing (scraper included)
- V1+ features bi-directional measuring force hand-wheel for measuring bores, centerlines, heights, min/max/delta
- Supplied with 0.236"/6mm ball probe



FREE

Swiss Army knife with purchase!



54-180-524-5

Order No.	Description	Range	Resolution	List Price	Sale Price
54-180-424-0	V1	24"/611mm	0.001"/0.01mm	\$3,993.00	\$3,594.00
54-180-512-0	V1+	12"/306mm	0.0001"/0.001mm	\$4,260.00	\$3,834.00
54-180-524-0	V1+	24"/611mm	0.0001"/0.001mm	\$5,324.00	\$4,792.00

Z-HEIGHT Height Gage

With handwheel and fine adjust.

Features:

- Range: 18"/450mm
- Accuracy: $\pm 0.002"/0.05mm$
- Resolution 0.0005"/0.01mm
- Base design has a more comfortable grip and is finely ground and lapped for smooth movement on surface plates
- Fine adjust feature allows precise adjustment to required settings
- Indicator holding bar included

Calibration certificate available.



24" Height Gage shown

Order No. 54-175-018-0

Sale \$727.00

List Price \$807.00

Z-HEIGHT ABS PLUS+ Height Gage

Features:

- Range: 12"/300mm
- Accuracy: $\pm 0.002"/0.05mm$
- Resolution 0.0005"/0.01mm
- True ABS measuring system
- Supplied with a NIST certified test block (1" x 2" x 3")
- Supplied with mini USB data cable
- Carbide scriber
- Positive locking level for scriber
- Can be used with wireless transmitter (54-115-100-0)



Order No. 54-175-012-1

Sale \$778.00

List Price \$864.00

Fowler Bowers Bluetooth



XTH3 Bluetooth HOLEMATIC Pistol Grips

Features:

- Coolant proof, dust proof - IP67
- Resolution: 0.00005"/0.001mm
- Bluetooth connectivity to your phone or tablet
- Accuracies: 0.00015" - 0.00035"/0.004mm - 0.009mm
- Tungsten carbide measuring faces on all 3-point heads from 0.5"/12.5mm and up
- Sizes over 0.500"/12.5mm feature blind bore capability
- Includes UKAS certificates for all pistol grip, heads and rings
- Additional individual sizes available



54-567-100-BT

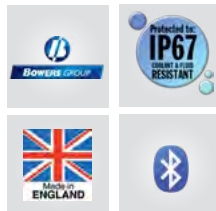
2 and 3 Point Grooves



3 Point Spherical



Ball Screw



Order No.	Range	Includes	List Price	Sale Price
Pistol Grip Complete Sets				
54-567-009-BT	0.080" - 0.250"/2 - 6mm (2 pt.)	5 heads, 1 handle, 3 rings	\$7,737.00	\$6,964.00
54-567-020-BT	0.375" - 0.750"/10 - 20mm	3 heads, 1 handle, 2 rings	\$3,550.00	\$3,195.00
54-567-105-BT	4" - 6"/100 - 150mm	2 heads, 1 handle, 1 ring	\$4,583.00	\$4,125.00
54-567-110-BT	6" - 8"/150 - 200mm	2 heads, 1 handle, 1 ring	\$6,049.00	\$5,445.00
54-567-210-BT	0.750" - 4"/20 - 100mm	6 heads, 1 handle, 4 rings	\$5,601.00	\$5,041.00
54-567-620-BT	0.250" - 0.750"/6 - 20mm	5 heads, 1 handle, 3 rings	\$4,095.00	\$3,686.00
Connectivity Cables/Accessory				
54-115-526-0	Proximity cable with USB connection		\$285.00	\$257.00
54-115-527-0	Proximity cable with serial connection	24"/611mm	\$277.00	\$250.00
54-115-246-BT	USB bluetooth receiver		\$58.00	\$53.00

Extensions

Order No.	Length	Diameter	Fits Heads	List Price	Sale Price
54-336-301-0	2.5"/63mmvvv	0.230"	0.250"-0.375"/6-10mm	\$194.00	\$175.00
54-336-302-0	0.250" - 0.375"/6- 10mm	0.366"	0.375"-0.500"/10-12.5mm	\$194.00	\$175.00
54-336-303-0	0.375" - 0.750"/10 - 20mm	0.479"	0.500"-0.750"/12.5-20mm	\$194.00	\$175.00
54-336-306-0	4" - 6"/100 - 150mm	0.757"	0.750" and higher	\$999.00	\$900.00
54-336-307-0	6" - 8"/150 - 200mm	1.365"	1.375" and higher	\$1,480.00	\$1,332.00

Bore Gaging Systems



XTD3 Bluetooth Electronic Holemikes

Features:

- Coolant proof, dust proof - IP67
- Resolution: 0.00005"/0.001mm
- Bluetooth connectivity to your phone or tablet
- Accuracies: 0.00015" - 0.00035"/0.004mm - 0.009mm
- Tungsten carbide measuring faces on all 3-point heads from 0.5"/12.5mm and up
- Sizes over 0.500"/12.5mm feature blind bore capability
- Includes UKAS certificates for all pistol grip, heads and rings
- Additional sizes available



54-367-020-BT

2 and 3 Point Screw Threads



Ball Race Measure-



Internal and External Spline



Order No.	Range	Includes	List Price	Sale Price
Holemike Complete Sets (Traditional style)				
54-367-020-BT	0.375" - 0.750"/10 - 20mm	12"/306mm	\$3,506.00	\$3,156.00
54-367-050-BT	0.750" - 2"/20 - 50mm	12"/306mm	\$4,759.00	\$4,284.00
54-367-105-BT	4" - 6"/100 - 150mm		\$4,200.00	\$3,780.00
54-367-110-BT	6" - 8"/150 - 200mm		\$5,539.00	\$4,986.00
54-367-200-BT	4" - 8"/100 - 200mm		\$9,166.00	\$8,250.00
Connectivity Cables/Accessory				
54-115-526-0	Proximity cable with USB connection		\$285.00	\$257.00
54-115-527-0	Proximity cable with serial connection	24"/611mm	\$277.00	\$250.00
54-115-246-BT	USB bluetooth receiver		\$58.00	\$53.00

Extensions

Order No.	Length	Diameter	Fits Heads	List Price	Sale Price
54-336-301-0	2.5"/63mm	0.230"	0.250"-0.375"/6-10mm	\$194.00	\$175.00
54-336-302-0	3"/76mm	0.366"	0.375"-0.500"/10-12.5mm	\$194.00	\$175.00
54-336-303-0	4"/100mm	0.479"	0.500"-0.750"/12.5-20mm	\$194.00	\$175.00
54-336-306-0	20"/500mm	0.757"	0.750" and higher	\$999.00	\$900.00
54-336-307-0	40"/1000mm	1.365"	1.375" and higher	\$1,480.00	\$1,332.00

XT-Series Holesmikes**Vernier Bore Micrometers****Features:**

- 3-pt contact with tungsten carbide measuring anvils above 0.5"
- Blind bore measuring heads featured above 0.5"
- Ratchet stop for consistent measuring
- Extensions available for deep measuring

Order No.	Range	Grads	Measuring Accuracy	Measuring Depth	Ring	List Price	Sale Price
52-255-312-0	0.375" - 0.500"	0.00025"	0.00015"	2.28"	0.5"	\$845.00	\$761.00
52-255-313-0	0.500" - 0.625"	0.00025"	0.00015"	2.44"	0.5"	\$845.00	\$761.00
52-255-314-0	0.625" - 0.750"	0.00025"	0.00015"	2.44"	0.75"	\$866.00	\$780.00
52-255-315-0	0.750" - 1"	0.00025"	0.00015"	2.60"	0.75"	\$952.00	\$857.00
52-255-317-0	1.375" - 2"	0.00025"	0.00015"	3.15"	1.375"	\$1,388.00	\$1,250.00
52-255-318-0	2" - 2.625"	0.00025"	0.0002"	3.15"	2.625"	\$1,655.00	\$1,490.00
52-255-319-0	2.625" - 3.250"	0.00025"	0.0002"	3.15"	2.625"	\$1,670.00	\$1,503.00
52-255-322-0	5" - 6"	0.00025"	0.00025"	4.53"	5"	\$2,521.00	\$2,269.00
Sets							
52-255-565-0	0.250" - 0.375"	2 heads, 2 handles, 1 ring				\$1,855.00	\$1,670.00
52-255-665-0	0.375" - 0.750"	3 heads, 3 handles, 2 rings				\$2,306.00	\$2,076.00
52-255-775-0	0.750" - 2"	3 heads, 3 handles, 2 rings				\$3,624.00	\$3,262.00
52-255-890-0	4" - 6"	2 heads, 2 handles, 1 ring				\$3,452.00	\$3,107.00
52-255-900-0	6" - 8"	2 heads, 2 handles, 1 ring				\$5,410.00	\$4,869.00

XTENDER® Electronic Bore Gage Set with Carbide Anvils

Our two most popular bore gage ranges combined in one easy-to-use electronic set!

Preset size of master for absolute reading and use minimum hold feature to lock on the bore size as the gage is rocked in the part to be measured.

**Bore Gage features:**

- Range: 1.4" - 6"/35mm-150mm
- Accuracy: 0.0006"/0.015mm
- Carbide anvils
- Self-centering

Indicator features:

- Bar graph for reversal point indication
- Preset with recall
- ABS/INC measurement
- Min/Max/TIR



Order No.	Range	Resolution	List Price	Sale Price
54-646-401-0	1.4 - 6"/35 - 150mm	0.00005"/0.001mm	\$488.00	\$440.00

Dial Cylinder Bore Gages**2-point bore measuring****Features:**

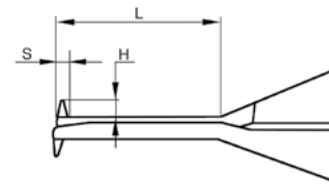
- Carbide Anvils
- Easy-to-read
- Great value
- Graduation: 0.0005", 0.0001" or 0.01mm
- Insulated grip
- 9.5" depth above 1.5"
- Chrome plated handle

XTENDER**52-646-400-0**

Order No.	Range	Graduation	Accuracy	List Price	Sale Price
52-646-100-0	0.7" - 1.5"	0.0005"	0.0009"	\$197.00	\$178.00
52-646-220-0	35 - 160mm	0.01mm	0.02mm	\$322.00	\$290.00
52-646-300-0	2" - 6"	0.0005"	0.0009"	\$186.00	\$168.00
52-646-400-0	1.4" - 6"	0.0005"	0.0009"	\$247.00	\$223.00
52-646-500-0	1.4" - 6"	0.0001"	0.0005"	\$320.00	\$288.00

Internal & External Electronic Caliper Gages**For grooves and recesses****Features:**

- Accuracy: $\pm 0.0008"/\pm 0.02\text{mm}$
- Resolution: 0.0002"/0.005mm
- Analog scale for reversal point indication
- Large, LCD display
- Preset capability
- Absolute and incremental measurements

**Dimensions for Internal Calipers**

Metric	Inch	L	S	H	Tip Radius
5-15mm	0.2-0.6"	20mm	1.0mm	1.5mm	0.3mm
5-25mm	0.2-1.0"	35mm	1mm	1.5mm	0.3mm
10-30mm	0.4-1.2"	55mm	2mm	3.5mm	0.5mm
20-40mm	0.8-1.6"	80mm	3mm	6.5mm	0.5mm
30-50mm	1.2-2.0"	80mm	3mm	8.5mm	0.5mm

Dimensions for External Calipers

Metric	Inch	L	S	H	Tip Radius
0-10mm	0-0.4"	40mm	3mm	9mm	0.5mm
0-20mm	0-0.8"	80mm	6.5mm	25mm	0.75mm
10-30mm	0.4-1.2"	80mm	6.5mm	25mm	0.75mm
20-40mm	0.8-1.6"	80mm	6.5mm	25mm	0.75mm
30-50mm	1.2-2.0"	80mm	6.5mm	25mm	0.75mm

Order No.	Range	List Price	Sale Price
Internal Caliper Gages			
54-554-622-0	0.200" - 1"/5 - 25mm	\$258.00	\$233.00
54-554-624-0	0.790" - 1.6"/20 - 40mm	\$309.00	\$279.00
54-554-625-0	1.2" - 2"/30 - 50mm	\$309.00	\$279.00
External Caliper Gages			
54-554-711-0	0 - 0.400"/0 - 10mm	\$275.00	\$248.00
54-554-722-0	0 - 0.790"/0 - 20mm	\$295.00	\$266.00
54-554-723-0	0.4" - 1.2"/10 - 30mm	\$309.00	\$279.00
54-554-725-0	1.2" - 2"/30 - 50mm	\$270.00	\$243.00

Swiss Ultralight IV Electronic Calipers

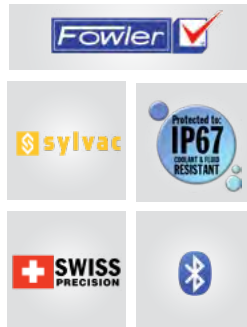


When you have
HUGE
parts to measure,
this is the caliper
you need!

Available Up to
2.5m range

Features:

- IP67 protected against fluid and dust
- Built-in Bluetooth
- Reinforced frame
- XXL display with 0.79"/20mm high digits
- Lengthened jaws 7.9"/200mm
- Includes upper ID measuring pins (5mm dia.)
- Movable left jaw
- Stainless steel titanium coated jaws
- Hold feature
- Preset function
- Min/Max functions
- Tolerance mode
- Internal and external measurement indicator



Alternative jaws available, contact the Fowler Technical Department
for more information 1-800-788-2353

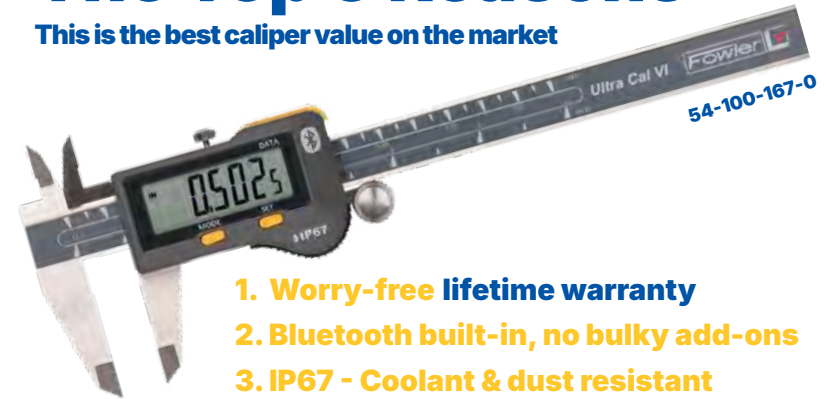
Order No.	Range	Accuracy	List Price	Sale Price
54-110-512-0	0 - 15"/0 - 400mm	0.0012"/30 µm	\$2,933.00	\$2,640.00
54-110-524-0	0 - 24"/0 - 600mm	0.0016"/40 µm	\$3,494.00	\$3,145.00
54-110-540-0	0 - 40"/0 - 1000mm	0.002"/50 µm	\$4,023.00	\$3,621.00

Connectivity Cables/Accessories

54-981-724-2	Sylcom Pro (digital license) Software	\$1,001.00	\$901.00
54-115-526-0	Proximity cable with USB Connection	\$285.00	\$257.00
54-115-527-0	Proximity cable with Serial Connection	\$277.00	\$250.00
54-115-246-BT	USB Bluetooth Receiver	\$58.00	\$53.00

The Top 6 Reasons

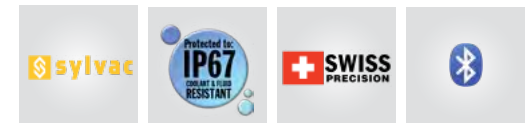
This is the best caliper value on the market



1. **Worry-free lifetime warranty**
2. **Bluetooth built-in, no bulky add-ons**
3. **IP67 - Coolant & dust resistant**
4. **A fraction of competitor's price**
5. **Easy-to-use Sylvac data collection**
6. **Swiss precision**

More features

- Reinforced frame (3.5mm)
- XL display with 11.5mm digits
- Hold feature
- Preset function
- Available with ISO Cert
- 12"/300mm is supplied without depth rod



Order No.	Range	Accuracy	Resolution	List Price	Sale Price
Bluetooth Built-in					
54-100-167-0	6"/150mm	0.0008"/20µm	0.0005"/0.01mm	\$543.00	\$489.00
54-100-168-0	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	\$926.00	\$834.00
54-100-169-0	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	\$1,130.00	\$1,017.00
Proximity Cable Communication					
54-100-444-1	6"/150mm	0.0008"/20µm	0.0005"/0.01mm	\$251.00	\$226.00
54-100-448-1	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	\$561.00	\$505.00
54-100-412-1	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	\$756.00	\$681.00
Without Data Output					
54-100-178-0	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	\$509.00	\$459.00
54-100-179-0	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	\$587.00	\$529.00

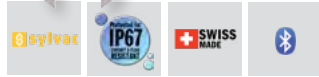
Connectivity Cables/Accessories

54-981-724-2	Sylcom Pro (Digital license) Software	\$1,001.00	\$901.00
54-115-526-0	Proximity cable with USB Connection	\$285.00	\$257.00
54-115-527-0	Proximity cable with Serial Connection	\$277.00	\$250.00

Prices & Specifications are subject to change without notice.

Micron 0.00005" Electronic Caliper

HIGH Resolution and HIGH Accuracy



Features:

- Bluetooth connectivity
- High resolution: 0.00005"/0.001mm
- Accuracy up to 4": 0.0006"/0.015mm
- Accuracy above 4": 0.0012"/0.03mm
- Heavy duty frame (3.5mm)

Order No.	Range	List Price	Sale Price
54-100-100-0	0 - 6"/150mm	\$570.00	\$513.00

Accessory

54-115-246-BT	USB Bluetooth Receiver	\$58.00	\$53.00
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IP67 Electronic Calipers

Smart Wireless Communication to most phones or tablets



54-100-556-BT

Features:

- IP67 protected against fluid and dust
- Wireless connectivity for quick error free data collection
- Supplied with NIST certification
- Heavy duty frame with 4-way measuring, inside, outside, depth and step
- Includes extra battery tray and a 1" setting standard



Order No.	Range	Accuracy	List Price	Sale Price
54-100-556-BT	0 - 6"/150mm	0.001"/0.02mm	\$245.00	\$221.00
54-100-512-BT	0 - 12"/300mm	0.0015"/0.04mm	\$301.00	\$271.00

XTRA-VALUE^{Plus} Electronic Calipers

IP54 protected with inch/metric/fractions



54-103-006-0

Features:

- Range: 6"/150mm
- Inch/Metric/Fraction reading: 0.0005"/0.01mm/ 1/128"
- Heavy Duty frame for extra rigidity and wear resistance
- Super large, easy to read display

Order No.	Range	Accuracy	List Price	Sale Price
54-103-006-0	0 - 6"/150mm	0.001"/0.02mm	\$115.00	\$104.00
54-103-012-0	0 - 12"/300mm	0.0015"/0.04mm	\$177.00	\$160.00



XTRA-VALUE CAL Electronic Calipers



54-101-150-2



54-101-300-1

Features:

- Stainless steel frame
- Resolution: 0.0005"/0.01mm
- Absolute/Incremental measurement
- 4-way measuring, inside, outside, depth and step



Order No.	Range	Display	Accuracy	List Price	Sale Price
54-101-150-2	0 - 6"/150mm	Regular Display	0.001"/0.02mm	\$64.00	\$58.00
54-101-600-1	0 - 6"/150mm	Large Display with Hold feature	0.0015"/0.04mm	\$88.00	\$80.00
54-101-200-1	8"/200mm	Regular Display	0.0015"/0.04mm	\$119.00	\$108.00
54-101-300-1	12"/300mm	Regular Display	0.0015"/0.04mm	\$146.00	\$132.00
54-101-900-1	12"/300mm	Large Display with Hold feature	0.0015"/0.04mm	\$192.00	\$173.00

External Caliper

Add greater versatility to your dial, vernier or electronic calipers.



Sale \$63.00

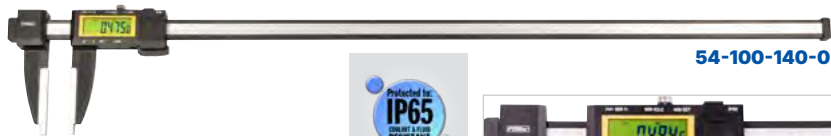
List Price \$73.00

Features

- Robust housing
- Large LCD display
- Reading: 0.01"/0.1mm/1/64ths
- Accuracy: 0.01"/0.3mm/1/64ths
- Battery: CR2032
- Spring loaded with locking nut
- Plastic case

Order No. 54-554-630-0

XTRA-RANGE® Carbon Fiber Electronic Calipers



Features:

- IP65 protected against fluid and dust
- Lightweight carbon fiber frame
- Stainless steel jaws with ID nibs
- ID/OD pressure device for repeatability
- USB data output (works with 54-520-399-0)
- Preset, ABS/INC, Floating zero, IN/MM, Hold function
- Super large display
- Fitted wooden case

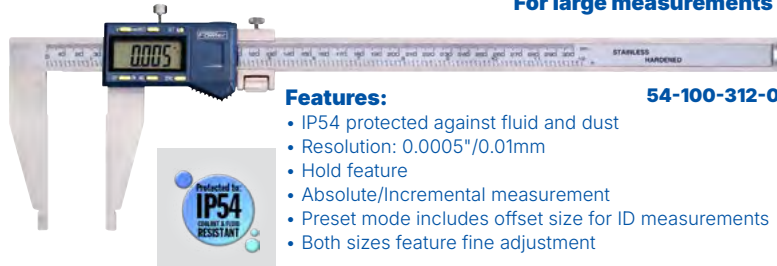


Features constant measuring force mechanism

Order No.	Range	Accuracy	Jaw Depth	Weight	List Price	Sale Price
54-100-124-0	0 - 24"/600mm	0.0020"/0.05mm	5.4"/138mm	2.85 lbs.	\$908.00	\$818.00
54-100-140-0	0 - 40"/1000mm	0.0025"/0.06mm	5.4"/138mm	3.45 lbs	\$1,645.00	\$1,481.00
54-100-160-0	0 - 60"/1500mm	0.0055"/0.13mm	5.9"/150mm	3.45 lbs	\$2,195.00	\$1,976.00

XTRA-RANGE® Electronic Calipers

For large measurements



Features:

- IP54 protected against fluid and dust
- Resolution: 0.0005"/0.01mm
- Hold feature
- Absolute/Incremental measurement
- Preset mode includes offset size for ID measurements
- Both sizes feature fine adjustment

Order No.	Range	Accuracy	Jaw Depth	List Price	Sale Price
54-100-312-0	0 - 12"/300mm	± 0.002"/0.05mm	3.5"	\$309.00	\$279.00
54-100-024-1	0 - 24"/600mm	± 0.003"/0.075mm	4"	\$479.00	\$432.00
54-100-042-1	0 - 40"/1000mm	± 0.004"/0.1mm	4.9"	\$1,667.00	\$1,501.00

XTRA-RANGE® Dial Calipers

With full length depth rod



Features:

- Graduations: 0.001"
- Jaw depth: 3.125"
- Stainless steel construction
- Satin chrome finish
- Full length depth rod
- 0.50" internal measuring nibs on jaws

Order No.	Range	Accuracy	List Price	Sale Price
52-008-024-0	0 - 24"	± 0.003"	\$411.00	\$370.00

Premium Grade Dial Calipers

With mono-block housing for added protection.

Purchase a 12" & Receive a 6" Free

Buy a 52-008-712-0 at list price and get 52-008-706-0 FREE

The mono-block housing design of this Premium Dial Caliper aids in preventing debris from entering the gearing mechanism. The covered rack aids in preventing debris from entering the rack. This helps to ensure years of continued service and accuracy.



Features:

- Tough shockproof gearing with ultra smooth movement
- 4-way measuring, inside, outside, depth and step
- Solid stainless steel construction with lapped measuring faces
- 0.100" range per revolution
- 0.001" reading dial, 0.100" range per revolution

Order No.	Range	Dial Color	Accuracy	List Price	Sale Price
52-008-712-P	Buy a 12" (52-008-712-0) and Get a 6" (52-008-706-0) FREE			\$296.00	\$267.00
52-008-704-1	0 - 4"	White	± 0.001"	\$105.00	\$95.00
52-008-714-1	0 - 4"	Black	± 0.001"	\$105.00	\$95.00
52-008-706-0	0 - 6"	White	± 0.001"	\$119.00	\$108.00
52-008-707-0	0 - 6"	Black	± 0.001"	\$119.00	\$108.00
52-008-708-0	0 - 8"	White	± 0.0015"	\$143.00	\$129.00
52-008-712-0	0 - 12"	White	± 0.002"	\$123.00	\$111.00

Metric

Order No.	Range	Dial Color	Accuracy	List Price	Sale Price
52-008-709-0	0 - 150mm	Yellow	± 0.02mm	\$123.00	\$111.00

Outside Vernier Micrometers

0.0001" graduations for higher accuracy



52-240-003-1



52-215-003-1

Features:

- Graduation: 0.0001"
- Microfine graduations on satin chrome finish and carbide tipped measuring faces
- Diameter of measuring faces: 0.256"
- Flatness: 0.00003"
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Includes a wrench and case
- Sizes over 1"/25mm include a standard

Order No.	Range	Accuracy	Thimble	List Price	Sale Price
52-240-101-1	0 - 1"	± 0.00016"	Ratchet	\$54.00	\$49.00
52-240-003-1	2" - 3"	± 0.0002"	Ratchet	\$73.00	\$66.00
52-240-005-1	4" - 5"	± 0.00024"	Ratchet	\$103.00	\$93.00
52-240-007-1	6" - 7"	± 0.00028"	Ratchet	\$122.00	\$110.00
52-240-009-1	8" - 9"	± 0.00032"	Ratchet	\$143.00	\$129.00
52-240-010-1	9" - 10"	± 0.00032"	Ratchet	\$162.00	\$146.00
52-240-012-1	11" - 12"	± 0.00036"	Ratchet	\$225.00	\$203.00

Sets

52-215-003-1	0 - 3" with standards and fitted case			\$213.00	\$192.00
52-215-004-1	0 - 4" with standards and fitted case			\$304.00	\$274.00
52-215-006-1	0 - 6" with standards and fitted case			\$516.00	\$465.00
52-215-612-1	6 - 12" Outside Inch Micrometer Set			\$1342.00	\$1208.00

Outside Vernier Micrometers

0.001" readings



52-253-001-1



Features:

- Graduation: 0.001"
- Carbide tipped measuring faces
- Diameter of measuring faces: 0.256"
- Anvil & spindle hardened and precision ground with microlap finish on tips

Order No.	Range	Accuracy	Thimble	List Price	Sale Price
52-253-001-1	0 - 1"	± 0.001"	Friction	\$45.00	\$41.00
52-253-101-1	0 - 1"	± 0.001"	Ratchet	\$45.00	\$41.00
52-253-002-1	1" - 2"	± 0.001"	Friction	\$61.00	\$55.00
52-253-102-1	1" - 2"	± 0.001"	Ratchet	\$54.00	\$49.00
52-253-004-1	3" - 4"	± 0.001"	Ratchet	\$73.00	\$66.00
52-253-005-1	4" - 5"	± 0.001"	Ratchet	\$81.00	\$73.00
52-253-006-1	5" - 6"	± 0.001"	Ratchet	\$90.00	\$81.00

Digit Counter Micrometers

0.001" digit counter.



52-224-001-1

Features:

- Digital counter reads to 0.001"
- Graduations: 0.0001" (using vernier)
- Microfine graduations on satin chrome
- Carbide tipped measuring faces
- Sizes over 1"/25mm include a standard

Order No.	Range	Accuracy	List Price	Sale Price
52-224-001-1	0 - 1"	0.00016"	\$146.00	\$132.00
52-224-002-1	1" - 2"	0.00016"	\$199.00	\$180.00
52-224-003-1	2" - 3"	0.0002"	\$227.00	\$205.00
52-224-004-1	3" - 4"	0.0002"	\$219.00	\$198.00

Set

52-224-103-0	0 - 3" set (set finished in grey enamel)		\$459.00	\$414.00
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RAPID-MIC

Quick-Displacement Electronic Micrometers

Fastest micrometer on the market!



Features:

- IP67 protected against fluid and dust
- Non-rotating spindle with 0.39"/10mm travel per thimble rotation
- Adjustable measuring force, 5N/10N (54-815-030-0 and 54-815-130-0 only)
- Menu customizable with free software
- Larger sizes and specialty anvil micrometers also available (special



54-815-111-0

Calibration certificates available for all sizes.

Order No.	Range	Accuracy	List Price	Sale Price
54-815-030-0	0 - 1.18"/0 - 30mm	0.00012"/0.003mm	\$725.00	\$653.00
54-815-110-0	2.6" - 4.0"/66 - 102mm	0.00020"/0.005mm	\$1,880.00	\$1,692.00
Set				
54-815-111-0	0 - 4"/0 - 102mm		\$3,633.00	\$3,270.00
Bluetooth Models				
54-815-130-0	0 - 1.18"/0 - 30mm	0.00012"/0.003mm	\$1,142.00	\$1,028.00
Bluetooth Set				
54-815-112-0	0 - 4"/0 - 102mm	0.00020"/0.005mm	\$5,197.00	\$4,678.00
Connectivity Cables/Accessories				
54-981-724-2	Sylcom Pro (digital license) Software		\$1,001.00	\$901.00
54-115-526-0	Proximity cable with USB Connection		\$285.00	\$257.00
54-115-527-0	Proximity cable with Serial Connection		\$277.00	\$250.00
54-115-246-BT	USB Bluetooth Receiver		\$58.00	\$53.00

Electronic Coolant Resistant Micrometers

For basic outside measurements with higher protection.



54-860-001-1

Features:

- IP54 protected against fluid and dust
- Resolution: 0.00005"/0.001mm
- Carbide measuring faces
- Absolute & incremental modes
- Ratchet thimble
- Automatic switch off
- Free ball attachment included



Order No.	Range	Accuracy	List Price	Sale Price
54-860-001-1	0 - 1"/0 - 25mm	± 0.00016"/0.004mm	\$182.00	\$164.00
54-860-002-1	1 - 2"/25 - 50mm w/standard	± 0.00016"/0.004mm	\$211.00	\$190.00
54-860-003-1	2 - 3"/50 - 75mm w/standard	± 0.0002"/0.005mm	\$221.00	\$199.00
Set				
54-860-103-1	0 - 3"/0 - 75mm w/standards		\$599.00	\$540.00

XTRA-VALUE II Electronic Micrometers



54-870-001-0

Features:

- IP40 protected against fluid and dust
- Resolution: 0.00005"/0.001mm
- Carbide measuring faces
- Absolute and incremental modes
- Ratchet thimble
- Free ball attachment included
- Sizes over 1"/25mm include a calibration stan-



Order No.	Range	Accuracy	List Price	Sale Price
54-870-001-0	0 - 1"/0 - 25mm	± 0.00016"/0.004mm	\$125.00	\$113.00
54-870-002-0	1" - 2"/25 - 50mm	± 0.00016"/0.004mm	\$135.00	\$122.00
54-870-003-0	2" - 3"/50 - 75mm	± 0.0002"/0.005mm	\$161.00	\$145.00

Electronic IP54 Blade Micrometers



Sale \$409.00

List Price \$454.00

Features:

- Blade anvil for grooves and hard to reach dimensions
- IP54 protected against fluid and dust
- Blades are 0.030" thick x 0.255" long
- Friction thimble
- Range: 0-1"/25mm
- Resolution: 0.00005"/.001mm
- Accuracy: 0.00016"/.004mm
- Automatic shut off



Vernier Inch Blade Micrometers



52-246-001-1

Sale \$255.00

List Price \$283.00

Features:

- Anvil & spindle hardened & precision ground with microlap finish on ends
- Non-rotating spindle
- Ratchet thimble
- Blade thickness = 0.030"; blade width = 0.256"; blade penetration = 0.315"

Order No.	Range	Graduation	Accuracy	List Price	Sale Price
52-246-001-1	0 - 1"	0.0001"	0.0001"	\$283.00	\$255.00
52-246-002-1	1" - 2"	0.0001"	0.00016"	\$308.00	\$278.00

Electronic IP65 Thread Micrometers

For accurate pitch diameter measurements.



54-219-001-0



Features:

- IP65 protected against fluid and dust
- 60° measuring anvils
- Absolute and incremental measuring mode
- Resolution: 0.00005"/0.001mm
- Friction thimble

Order No.	Range	Thread Range	Accuracy	List Price	Sale Price
54-219-002-0	1 - 2"/25 - 50mm	44 - 3.5 TPI/0.6 - 7mm	± 0.00008"/0.002mm	\$405.00	\$365.00
54-219-003-0	2 - 3"/50 - 75mm	24 - 3.5 TPI/1 - 7mm	± 0.00008"/0.002mm	\$399.00	\$360.00
54-219-004-0	3 - 4"/75 - 100mm	24 - 3.5 TPI/1 - 7mm	± 0.00012"/0.003mm	\$416.00	\$375.00

Vernier Thread Micrometers



52-219-001-1

Sale \$139.00

List Price \$154.00

Features:

- 60° measuring anvils
- Graduation: 0.001"
- Ratchet thimble
- Sizes over 1" include standard

Order No.	Range	Thread Range	Accuracy	List Price	Sale Price
52-219-001-1	0 - 1"	64 - 5 TPI / 0.4 - 5mm	0.00016"	\$154.00	\$139.00

IP54 Electronic Depth Micrometer



Sale \$262.00

List Price \$291.00

Features:

- IP54 protected against fluid and dust
- Range: 0 - 6"/150mm
- Accuracy: 0.00016"/0.004mm
- Resolution: 0.00005"/0.001mm
- Base surface hardened and microlapped to 0.00008" flatness



Order No. 54-225-456-0

Depth Micrometers

Features:

- Satin chrome finish
- Base surface hardened and microlapped to 0.00008"
- Ratchet thimble
- Locking clamp
- Rod diameter: 0.176"
- Includes fitted case



Sale \$215.00

List Price \$238.00

52-225-110-0

Order No.	Range	Graduation	Accuracy	Base Size	List price	Sale Price
52-225-110-0	0 - 4"	0.001"	0.0002"	2.5"	\$238.00	\$215.00

X-DEPTH 22" 0 - 22" Electronic Depth Gauge

Provides rapid electronic measurement of hole depths.

Features:

- 0-1" AGD Group 2
- Accuracy: 0.001"/0.03mm
- Resolution: 0.0005"/0.01mm
- 4" base ground and lapped for flatness
- Rods connect for 22" capacity
- Includes 2 extra points (spline & needle)
- Tolerance function



Order No. 54-125-777-0

Sale \$365.00

List Price \$405.00

X-DEPTH 22" 0 - 22" Dial Depth Gauge

Features:

- 0 - 1" travel indicator with 4" base
- 0.001" Graduations
- Rods connect together for full 22" capacity
- Satin chrome finish
- Includes 2 extra points for small hole applications; one 0.078" dia. x 1" long and one needle point x 1" long



Order No. 52-125-006-1

Sale \$234.00

List Price \$260.00

XTRA-VALUE Depth Gauge

Features:

- Spring-loaded and hold measurement button for ease-of-use
- Super-large display
- Travel: 0-1"/25mm
- Range: 0-16"/400mm
- Resolution: 0.0005"/0.01mm (Fractions in 1/64" increments)



Order No. 54-225-555-0

Sale \$90.00

List Price \$99.00



INDI-X BT Electronic Indicators

Smart Wireless Communication to most phones and tablets



Features:

- Bluetooth compatible to most phones and tablets
- Resolution 0.00005"/0.001mm
- Economical bluetooth option
- Includes lifting hook, ceramic ball contact point, 2 specialty contact points (spline and point), NIST cert., lug and flat backs

Sale \$179.00

List Price \$198.00

Order No. 54-520-285-0

Calibration certificates available for all sizes



INDI-X blue Electronic Indicators

Our most popular electronic indicators.

Features:

- Resolution 0.0005"/0.01mm
- 54-520-260-0 also reads 1/64ths
- 2-1/4" dial face
- Lugback and 3/8" stem mountings
- Tolerance function
- Absolute/incremental reading
- Floating zero



54-520-255-0



54-520-250-0



54-520-260-0

Calibration certificates available for all sizes.

Order No.	Range	Accuracy	List Price	Sale Price
54-520-255-0	0.50"/12.5mm	± 0.001"/0.03mm	\$137.00	\$124.00
54-520-250-0	1"/25mm	± 0.001"/0.03mm	\$155.00	\$140.00
54-520-260-0	1"/25mm	± 0.001"/0.03mm	\$157.00	\$142.00

Premium Dial Indicators

Smooth, accurate and built tough.

Features:

- AGD Group 2 specifications
- Accuracy meets ANSI standards
- Shockproof gearing
- Jeweled movement
- Tolerance markers
- Solid steel housing
- Carbide contact point
- Includes NIST Certification



52-520-135-0



52-520-105-0



52-520-110-1

Order No.	Range	Graduation	Reading	Balanced Reading	Dial Color	List Price	Sale Price
52-520-135-0	0.05"	0.0001"	0 - 10	0 - 5 - 0	White	\$238.00	\$215.00
52-520-105-0	0.50"	0.001"	0 - 100	0 - 50 - 0	White	\$123.00	\$111.00
52-520-110-1	1"	0.001"	0 - 100	—	Black	\$117.00	\$106.00
52-520-110-2	1"	0.001"	0 - 100	—	White	\$117.00	\$106.00
52-520-120-0	2"	0.001"	0 - 100	—	White	\$186.00	\$168.00
52-520-129-0	1"	0.0005"	0 - 50	0 - 25 - 0	White	\$141.00	\$127.00
52-520-300-0	10mm	0.01mm	0 - 100	0 - 50 - 0	White	\$148.00	\$134.00
52-520-500-0	25mm	0.01mm	0 - 100	0 - 50 - 0	White	\$178.00	\$161.00

Inch/Metric Reading Dial Indicator

Features:

- AGD 2 series 2-1/4" dial diameter
- Dial face reads in inch (black) or metric (red)
- Range: 1"/25mm
- Graduation: 0.001"/0.01mm
- Reading: 0-100/0-100-0
- Separated dial for Inch & Metric
- Rotating bezel with clamp
- Lugback included

Sale \$129.00

List Price \$143.00

Order No. 52-530-110-0



IP54 Shockproof Dial Indicator

Features:

- IP54 protected against fluid and dust
- O-ring seal on safety cap
- O-ring protection for bezel and rotating dial
- Continuous reading: 0-100
- Tolerance markers
- AGD Group 2, 2-1/4" dia., 1" Range
- Contact point: 4-48 (3/8" stem)
- Lugback and carbide point

Sale \$91.00

List Price \$101.00



Order No. 52-520-450-0

QuadraTest

Electronic Test Indicators

Features:

- Bluetooth connectivity to your phone or tablet
- IP65 protected against fluid and dust
- 4 measuring modes: Min, Max, TIR and Direct
- 4 measuring resolutions - 0.00005"/0.001mm or 0.0005"/0.01mm
- 1-1/2" diameter dial face rotates a full 360°
- Analog scale for reversal point indication
- Meets or exceeds DIN/ISO Standards (Maximum error on 0.00005" scale at full range: 0.0004")
- 54-562-890-BT is capable of interchanging contact point lengths



54-562-777-BT



Calibration certificates available for all sizes.

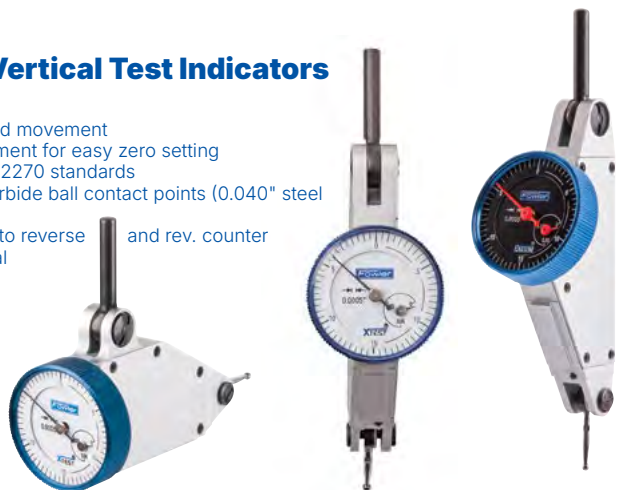
Order No.	Range	Contact Point Length	List Price	Sale Price
54-562-777-BT	0.030"/0.80mm	1/2"	\$675.00	\$608.00
54-562-888-BT	0.080"/2.0mm	1-7/16"	\$763.00	\$687.00
54-562-890-BT	0.030"/0.80mm 0.080"/2.0mm	1/2" 1-7/16"	\$951.00	\$856.00

X-TEST®

Horizontal & Vertical Test Indicators

Features:

- Super smooth jeweled movement
- Smooth bezel adjustment for easy zero setting
- Accuracy meets DIN 2270 standards
- 0.080" and 0.120" carbide ball contact points (0.040" steel ball)
- 0.060" range with auto reverse and rev. counter
- Easy to read tilted dial
- 5/32" pivotable stem



52-562-005-0

52-562-003-0

52-562-002-BD

Order No.	Graduation	Dial Size	Dial Reading	List Price	Sale Price
Horizontal					
52-562-002-BD	0.0005"	1-1/2"	0 - 15 - 0	\$185.00	\$167.00
52-562-003-0	0.001"	1"	0 - 15 - 0	\$175.00	\$158.00
52-562-008-0	0.01mm	38mm	0 - 40 - 0	\$185.00	\$167.00
Vertical					
52-562-004-0	0.0005"	1-1/2"	0 - 15 - 0	\$182.00	\$164.00
52-562-005-0	0.0005"	1"	0 - 15 - 0	\$202.00	\$182.00

Indi-X Blue Electronic Indicator and Stand Combo

Features:

- Direct Inch/Metric/Fraction conversion
- Auto off feature
- Lugback and 3/8" stem mountings
- Resolution: .0005"/.01mm/64ths
- Tolerance indicators
- Absolute/incremental reading
- Floating zero
- Carbide tipped point

Stand:

- 6" x 6" x 2" granite base
- Positive lock screw
- Fine adjustment knob for zero setting
- Column height is 8"

Order No. 54-580-250-0 BOM



Sale \$293.00

List Price \$325.00

X-PROOF®

Water Resistant Indicator Set

For harsh environments



Indicator Features:

- Travel: 1"
- Reading: 0.001"
- Accuracy: 0.001"
- Continuous reading: 0 - 100
- Tolerance markers
- Lugback and carbide point

Magnetic Base Features:

- Fine adjustment
- Base dimensions: 2" x 2-11/32" x 1-13/16"
- Also mounts test indicators with 1/4" post
- 85 lb. pull
- On-Off lever release magnet
- V-base for placing on cylindrical surfaces

Order No. 52-585-155-0

Sale \$118.00

List Price \$131.00

Fine Adjust Mag Base Set with Mag Back

With **INDI-X blue** Electronic Indicator or **AGD White face Indicator**

AGD Indicator features:

- AGD Group 2
- Dial diameter: 2-1/4"
- Travel: 1"
- Reading: 0.001"
- Continuous reading: 0 - 100
- Carbide tipped point



Indi-X blue features:

- Resolution 0.0005"/0.01mm
- 2-1/4" dial face
- Lugback and 3/8" stem mountings
- Tolerance function
- Absolute/incremental reading

Magnetic Base features:

- 85 lb. pull
- Fine adjustment
- V-bottom base

Magnetic Indicator Back features:

- Use for positioning the indicator on most metal surfaces
- Protective coating

Order No.	Description	List Price	Sale Price
54-585-075-0	Fine Adjust Mag Base Set w/Indi-X blue Indicator Set	\$269.00	\$243.00
52-585-125-0	Fine Adjust Mag Base Set w/AGD Dial Indicator Set	\$199.00	\$180.00



Granite Dial Gage Stand

Sturdy with 0.00005" flatness

Features:

- 6" x 6" x 2" granite base
- Positive lock screw
- Fine adjustment knob for zero setting
- Column height is 8"
- Accepts all lug-back indicators

Order No. 52-580-030-0

Sale \$140.00

List Price \$155.00



Deluxe Dial Gage Stand

Holds indicators and probes for thickness and comparative measurements.

Features:

- Quick positioning and adjustment
- Zero settings with fine adjustment
- Fine adjustment of 5/32"
- Holds indicators with stems of 3/8" and 8mm
- Working surface of 3-1/2" x 3-1/2"

Order No. 52-580-015-0

Sale \$433.00

List Price \$481.00



Height Transfer & Squareness Gage

Small and compact

Features:

- Used for a variety of surface plate applications
- Large fine adjustment knob for precise control
- Swivel clamp anchors swivel and indicator for added accuracy
- Rear surface of the gage has a reference surface to place against a master for checking squareness

Order No. 53-620-010-0

Sale \$381.00

List Price \$423.00

Indicator and standard shown not included

Prices & Specifications are subject to change without notice.

Articulating Mag Base

Features:

- Fine adjust
- 85 lb. pull
- V-slot on base for mounting on rounded surfaces

Order No. 52-585-008-0

Sale \$131.00

List Price \$145.00

Hydraulic Arm Magnetic Base

Heavy duty holding power.

Features:

- Adjusts to virtually any position
- All purpose magnetic base with 180 lbs. of pulling power
- Fine adjustment
- Base can be mounted vertically as well as horizontally,
- V-bottom base allows mounting on cylindrical surfaces

Order No. 52-585-095-0

Sale \$279.00

List Price \$310.00

Magnetic Bases

Features:

- 9.5" Height and 85 lb. pull
- Base dimensions are 2" x 2-11/32" x 1-13/16" (50mm x 58.7mm x 46mm)
- Accepts all AGD dial indicators
- V-bottom base allows mounting on cylindrical surfaces
- Mounts test indicators with 1/4" post mount

52-585-005-0

52-585-010-0

Order No.	Description	List Price	Sale Price
52-585-005-0	Magnetic Base	\$77.00	\$70.00
52-585-010-0	Magnetic Base with fine adjustment	\$83.00	\$75.00

Flex Arm Magnetic Bases

Adjustable to any position.

Features:

- All purpose magnetic base with 100 lbs. of pulling power
- Base can be mounted vertically as well as horizontally
- V-bottom base allows mounting on cylindrical surfaces
- Accepts AGD indicators as well as Test Indicators with a stem

Chrome Flex Arm Features:

- Corrosion resistant chrome plated flex arm
- 100 lb pull magnetic base

52-585-015-0

52-585-045-0

Order No.	Description	List Price	Sale Price
52-585-015-0	Flex Arm Magnetic Base	\$109.00	\$99.00
52-585-045-0	Chrome Flex Arm Magnetic Base	\$134.00	\$121.00

Prices & Specifications are subject to change without notice.

Clinotronic Plus

Clinotronic Plus is an electronic level with unsurpassed versatility. It is economically priced, uses a specially designed microprocessor and the well-proven Wyler inclination sensor.



**SWISS
MADE**

Sale \$3,267.00

List \$3,629.00

Features:

- Range of $\pm 45^\circ$, capacity of 0-360°
- Accuracy: ± 3 arc minutes at 45°
- Resolution of 0.01° (selectable)
- Absolute or relative measuring mode selectable by push button
- Seal-tec technology for excellent performance even in difficult environmental conditions
- Interface connection RS-232 is integrated. Special purpose cables available
- No loss of calibration data by power failure
- Response time: value available within 5 seconds
- Repeatability: $< 0.01^\circ$
- Linearity: 3 min. of arc + 1
- Housing: aluminum hard anodized.
- Dimensions: 4 x 3 x 1" (100 x 75 x 30mm)

Order No. 54-635-601-0

Universal Bevel Dial Protractor



Sale \$247.00

List \$274.00

Order No. 52-440-612-0

Features:

- Finished in satin chrome for easy reading
- Accepts 6" and 12" blades
- Blade slides full length, fastened by a knurled thumb lock which can be set at any point
- Blades beveled 45° on one side; 60° on other
- Also available is an angle attachment for acute angle measuring
- Protractor dial graduated over 360° in 0 to 90° sectors and rotates around the full circle. Readings to 5 min. of arc with vernier
- Features a fine adjustment for exact settings
- Price includes fitted case

Digi Level with smart wireless data



Features:

- IP65 protected against fluid and dust
- Includes a 6" straight edge with beveled edge and 1/32nds graduations
- V's on top and bottom for measuring on cylindrical surfaces
- Embedded magnets on bottom base for vertical and horizontal hold
- Accuracy: $\pm 0.2^\circ$
- Resolution: 0.050°

Order No. 54-422-550-BT

Sale \$177.00

List Price \$196.00



mini-MAG Protractor

The mini-MAG Protractor provides instant 360° digital inclination display of any angle.

Features:

- Accuracy: $\pm 0.2^\circ$
- Resolution: 0.05°
- Embedded magnets
- Display automatically inverts
- Dimensions: 2.375" x 1.375" x 2.375"
- Hold feature
- Battery Life: up to 250 hrs.



Display inverts
for easy reading!

Order No. 54-422-450-1

Sale \$114.00

List Price \$126.00



mini-MAG PLUS Protractor

The Mini-Mag PLUS Protractor features a USB rechargeable battery, a backlit display, Tilt% function and IP54 protection against water, oil, and fluids.

Features:

- IP54 protected against fluid and dust
- Auto off after 5 minutes
- Embedded magnets
- Display automatically inverts
- Smaller size: 2.12" x 2.12" x 0.9"
- Measuring range: 360° (4 x 90)
- Accuracy: $\pm 0.2^\circ$
- Resolution: 0.05°
- Hold feature
- Zero function

Sale \$153.00

List Price \$170.00

Order No. 54-422-500-0





54-440-775-1



54-440-740-1

Digi-Level PRO Electronic Protractors

Includes embedded magnets for unique measurement areas.
On/Off, Zero, Hold and Reverse features.

Features:

- Ideal for fabrication applications
- Embedded 25 lb. pull magnets
- Full, 360° measuring range
- Accuracy: $\pm 0.2^\circ$
- Repeatability: $\pm 0.05^\circ$
- Resolution: 0.1°
- Includes standard 3V lithium battery

Order No.	Description	List Price	Sale Price
54-440-740-1	4" Digi-Level PRO	\$137.00	\$124.00
54-440-775-1	12" Digi-Level PRO	\$143.00	\$129.00

Magnetic Dial Protractor

Features:

- Both flat and "V" mounting with strong built-in magnet
- Punch located at center of "V"
- 1° graduations and accuracy

Sale \$180.00

List Price \$200.00

Order No. 52-450-100-0



X-BLOX® V-Block Set

2 each @:

- Dimensions: $1\frac{1}{2}"$ L x $1\frac{1}{4}"$ W x $1\frac{1}{4}"$ H
- Work capacity: Approximately 1"

2 each @:

- Dimensions: 2" L x $1\frac{1}{2}"$ W x $1\frac{1}{2}"$ H
- Work capacity: $1\frac{1}{2}"$

All feature:

- Surfaces are square and parallel within 0.0005"
- V-grooves are square and parallel with all surfaces within 0.0005"
- Corresponding dimensions for each pair are alike within 0.0005"

Order No. 52-475-500-0

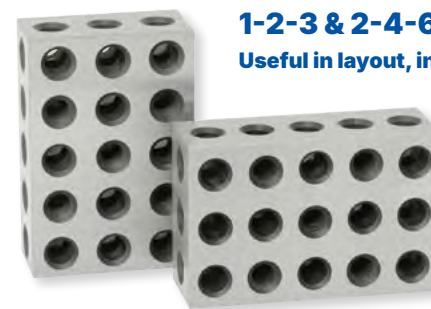


Sale \$159.00

List Price \$176.00

1-2-3 & 2-4-6 Blocks

Useful in layout, inspection and grinding work.



Features:

- 23 holes for easy clamping
- Sold in pairs
- Hardened 56 - 60 HRC
- Both styles include 5 threaded holes, $\frac{3}{8}"$ - 16

52-439-246-0

Order No.	Description	Accuracy	List Price	Sale Price
52-439-031-0	1-2-3 Blocks	$\pm 0.0001"/1"$	\$54.00	\$49.00
52-439-032-0	1-2-3 Blocks	$\pm 0.0002"/1"$	\$112.00	\$101.00
52-439-246-0	2-4-6 Blocks	$\pm 0.0003"/1"$	\$267.00	\$241.00

1/8" Parallel Set

Features:

- 2 each of $\frac{1}{2}"$, $\frac{5}{8}"$, $\frac{3}{4}"$, $\frac{7}{8}"$, 1", $1\frac{1}{8}"$, $1\frac{1}{4}"$, $1\frac{3}{8}"$, $1\frac{1}{2}"$ & $1\frac{5}{8}"$ heights
- Absolute heights are nominal
- Hardness: 50 HRC, 6" length
- 52-437-000-0 paired in height: 0.001"

Order No. 52-437-000-0

Sale \$283.00

List Price \$314.00



Bevel Edge Squares

Features:

- Designed for layout & measurement work
- Squares have accurate right angles both inside and outside
- Made from a single piece of fully seasoned tool steel
- Beams and blades are ground and lapped for straightness and parallelism.
- Blades beveled both edges
- Fully hardened to Rockwell 55C
- Packed in individual carton
- Accuracy = $\frac{0.00008"}{100,000}$ + Length (blade)



Order No.	Blade Length	Beam Length	List Price	Sale Price
52-426-005-0	4-7/8"	3-1/8"	\$101.00	\$91.00
52-426-006-0	6-5/16"	3-15/16"	\$77.00	\$70.00
52-426-008-0	7-7/8"	5-1/8"	\$132.00	\$119.00

Cylindrical Squares

Features:

- Used for checking squares, height gages and other instruments
- Hardened and the ends are lapped to 90° angular accuracy
- 6" cylindrical squares: $\pm 0.0001"$

3" Ø



52-750-006-0

Order No.	Description	List Price	Sale Price
52-750-006-0	6"	\$297.00	\$268.00

EZ-Sine Bar Set

Simplify sine bar angle set up.

Features

- Eliminate constant tables for calculation
- Select a riser to obtain the desired angle and you are finished

Sine Bar

- 5" hardened and precision ground
- 1" body size, top parallel to bottom within 0.0002"

Risers

- 18 risers of the following angles: 1/2°, 1° thru 15° in 1° increments, 1/4° and 1/2° to measure taper per foot
- Exact constant within 0.001"



Sale \$243.00

List Price \$270.00

Order No. 52-455-050-0

SHOP-BLOX® Rectangular Gage Block Sets



Image for representation purposes only

Features:

- Manufactured to meet Federal Specification ASME B89. 1.9 - 2002 tolerances on length for inch gage blocks
- Certificate of Calibration traceable to NIST
- Tolerances to $\pm 0.00005"$
- In high-quality fitted wood case

Order No.	Description	List Price	Sale Price
53-672-036-0	36 pieces	\$416.00	\$375.00

CERTIFIED SPACE-BLOX®

Gage Block Set

Features:

- 36 blocks
- Certificate of Calibration traceable to NIST
- Tolerances to 0.0001"
- Ground, hardened and tapped
- 4 connection screws included

Sale \$262.00

List Price \$291.00



Order No. 53-680-000-0

Gage Ball Sets

Features:

- Ball gages are ground and lapped chrome steel
- Hardened to 63RC
- Grade 24 accuracy - AFBMA certificate
- Within .0001" of actual size
- Sphericity within .000025"
- Surface finish to 1.5 micro inches
- 52-438-766 Set includes 26 pairs
- Pair sizes in inches: 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2, 17/32, 9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4, 13/16, 7/8, 15/16 and 1"
- 52-438-777 Set includes 25 pairs
- Pair sizes in mm: 1mm through 25mm

Sale \$99.00

List Price \$109.00



52-438-766-0

Order No.	Description	List Price	Sale Price
52-438-766-0	52 piece Gage Ball Set	\$109.00	\$99.00
52-438-777-0	50 piece Metric Gage Ball Set	\$120.00	\$108.00

COAX-2D 2 Dimensional Coaxial Indicator Sets

Use the 2D Coaxial Set for accurate component centering and positioning in most machining applications. The dial remains stationary during the rotation of the machine spindle.

Features:

- Graduations and revolution counter 0.0005"/0.01mm
- 3 internal and 3 external feelers; ball dia.: 1/8" (3mm)
- Includes center point feeler and staining arm
- Restraining arm
- Shank: 3/8" dia. x 7/8" long (10mm x 20mm)
- Measuring range: 0.250" (6mm) axis offset
- Speed recommended 800 RPM max.
- Repeatability to within 0.0002" (0.005mm) of true center
- Capacity, depending on feeler is 5/32-12"/4-300mm internal diameter; 0-12"/0-300mm external diameter



52-710-025-0

Order No.	Description	List Price	Sale Price
52-710-025-0	2D Coaxial Set - Inch	\$336.00	\$303.00

Z-CHECK 65 PLUS+

Z-Axis Tool Setter

Features:

- Supplied with zero reference setting block
- IP65 protected against fluid and dust
- Back light turns on when zero reference is achieved
- 4 magnets embedded into base
- 2" default setting height
- Steel contact surface with 0.0002" flatness
- Resolution: 0.00005"/0.001mm



Order No. 54-188-200-0

Sale \$131.00

List Price \$145.00

Electronic Edge Finders



Features:

- Six equally spaced light ports provide visibility at any angle
- Edge finder lights instantly when stylus touches work edge
- Repeatability: 0.0002"
- Works on any conductive metal



Along with light indication, model #54-575-650-0 emits an audible "beep" at time of contact

Order No.	Stylus	Shank	Audible	List Price	Sale Price
54-575-600-0	0.200"	1/2"	NO	\$54.00	\$49.00
54-575-625-0	0.200"	1/2"	NO	\$170.00	\$153.00
54-575-650-0	0.400"	3/4"	YES	\$189.00	\$171.00



Portable Roughness Tester II

Quick, easy roughness testing

The X-Pro Portable Roughness Tester II can be used for various applications by selecting from a variety of accessories including special application probes and a swivel stand.

RS232 data output is available on additional models (contact the Fowler technical department for more information 1-800-788-2353)



(X-Pro shown with optional stand with swivel)



Features:

- Small, compact size
- 2 selectable parameters: Ra and Rz
- Large LCD display
- Meets ISO and DIN standards
- NIST traceable specimen included
- Uses 9 volt battery (approx. 3000 measurements)

X-Pro Portable Roughness Tester II

Order No.	Description	List Price	Sale Price
54-410-500-0	Portable Surface Roughness Tester 0.0004" probe (NIST specifications)	\$2,362	\$2,126.00

Tool Set 300 Presetter

Used for the quick checking of heights and diameters (radii) of various types of machine tools. Accuracy is guaranteed by a precise steel measuring column and displacement devices in X and Z coordinates utilizing constant measuring force.

Tool Holding Spindle

- Tool presetter is supplied with high precision tool pot (Grade 0)
- ISO 50 taper
 - Less than 0.00008"/0.002mm concentricity error

Features:

- Measuring range: (X)11.8"/300mm, (Z)15.7"/400mm
- Min/Max functions for TIR readings
- 2 reference indications
- Preset and Tolerance value inputs
- Radius or diameter indication on X-axis display
- Resolution: 0.00005"/0.001mm
- Floating zero function anywhere within axis range
- Carbide measuring insert for durability
- Counter balanced measuring carriage
- Constant measuring force in both axes
- High precision Swiss measuring system



Order No.	Description	List Price	Sale Price
54-188-300-0	Tool Presetter	\$12,507.00	\$11,257.00

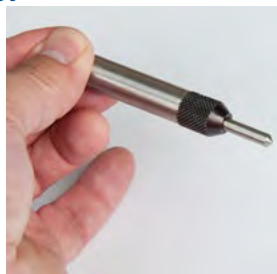
Prices & Specifications are subject to change without notice.

MICRO Tap Guide



Sale \$20.00

List Price \$22.00



Features:

- Ensures you start every tap or reamer straight
- Hardened shank diameter: 1/2"
- Hardened tension pin diameter: 3/16"
- Incorporates the use of an adjustable tension spring

Order No. 52-490-100-0

12 Piece Swiss Pattern File Set

Features:

Fowler Swiss Pattern Files are precision tools designed for toolmakers, model makers, and part finishers. With tighter tolerances than American files, they excel at removing burrs, truing grooves, cleaning corners, and smoothing small parts.



Order No. 75-130-062-0

Sale \$27.00

List Price \$30.00

Tool Set

Features:

- Can be operated directly off table or from machine vise
- Aluminum contact face eliminates carbide chipping on cutting tools
- Works on any conductive materials
- Repeatability: .0002"
- Block dimensions: 1" x 2" x 3" (nominal)

Order No. 54-575-750-0



Sale \$127.00

List Price \$141.00

Slowly lower cutting tool toward Tool Set...

...indicator will light up upon contact!

Single Machinist Screw Jack

Features:

- 1-1/2" base
- 3" to 4" adjustable range
- Capacity: 1000 lbs.

Order No. 52-104-001-0

Sale \$11.00

List Price \$12.00



Premium IP54 Shockproof Dial Indicators

Features:

- IP54 protected against fluid and dust
- 1" Range
- Includes both center lug back and flat back
- Steel housing
- Sealed plunger, dust-cap and back plate
- Carbide contact point (4-48 (3/8" stem)
- 0 - 100 dial reading with revolution counter



Order No. 52-520-460-0

Sale \$127.00

List Price \$141.00



Order No. 52-520-465-0

1" Dial Indicator Set

Features:

- Includes 1" indicator and mag base, plus rods, swivel clamp and case
- The 2-1/4" dia., 0.001" indicator features: tolerance hands, lug back and revolution counter

Order No. 52-522-101-0

Sale \$143.00

List Price \$158.00



Extra Long Drive Pin Punches

Features:

- Black nitrate finished. Made of chrome alloy steel. Hardened on both ends
- Knurled finger grip. Length is 8"
- Point sizes: 1/8", 3/16", 1/4", 5/16" and 3/8"

Order No. 52-500-300-0

Sale \$23.00

List Price \$25.00



Vernier Pocket Caliper

4" pocket sized



Sale \$61.00
List Price \$67.00

Features:

- Range: 4"
- Accuracy: 0.001"
- Graduation: 0.0005"
- Stainless steel construction
- Overall: 6.2"
- Jaw depth: 1.175" and internal jaw: 0.53"

Order No. 52-057-004-0



X-PROOF 0-22" Dial Depth Gauge

Features:

- Graduations: 0.001"
- 0-1" travel indicator
- Rods can be connected together for a full 0-22" capacity
- Includes 2 extra points for small hole applications; one 0.078" dia. x 1" long and one needle point x 1" long, 4-48 thread

Order No. 52-125-007-0

Sale \$269.00
List Price \$298.00

FLIP PLUS Electronic Caliper



Features:

- Display flips 180° with display rotation function for true left handed operation
- Stainless steel frame
- Thumbroll for smooth measuring
- Heavy duty frame is 0.140"/3.5mm thick
- Resolution 0.0005"/0.01mm
- Floating zero

Order No. 54-200-506-0

Sale \$116.00

List Price \$128.00

Left-Handed View



Top View



Dial Height Gage

Features:

- Range: 6"
- Graduations 0.001"
- Fine-adjust for precise control
- Stainless steel construction with satin chrome finish
- Carbide-tipped scriber

Order No. 52-170-006-1



Sale \$126.00
List Price \$139.00

Z-HEIGHT Jr.

Electronic Height Gage

Features:

- Range: 6"/150mm
- Accuracy: 0.001"
- Resolution: 0.0005"/0.01mm
- Hold feature
- ABS/INC Measurement
- Floating zero
- Positive lock
- Carbide scriber

Order No. 54-175-006-0



Sale \$312.00
List Price \$346.00

Mark VI Electronic Indicators with Analog Display

Fowler 
LIFETIME WARRANTY

Features:

- Resolution: 0.00005"/0.001mm
- Water and coolant resistant
- Protection class IP-54
- Repeatability: 2µm
- Battery life: 10,000 hours of operation
- Menu customizable with free software.
- Wide range of functions (MIN/MAX/DELTA, TOL, Factor, Preset, Auto Off, etc)
- Aluminum housing

Order No.	Range	List Price	Sale Price
54-530-535-0	0-0.50" / 0-12.5mm	\$1010.00	\$909.00



Sale \$810.00

List Price \$900.00



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