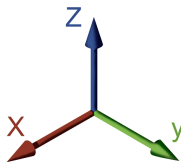
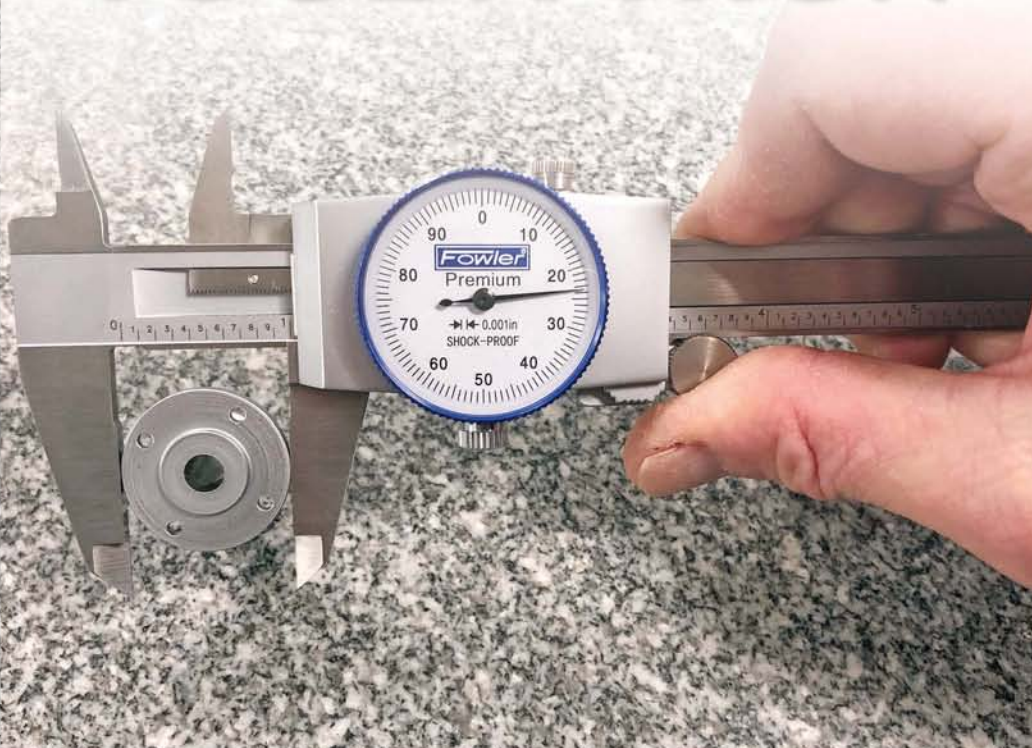




HIGH PRECISION

# TOOL-A-THON®



**MEASUREMENT  
SOLUTIONS, INC.**

Measurement Problems - **SOLVED!**



262-278-6049

[www.measurementsolutionsinc.com](http://www.measurementsolutionsinc.com)

**Volume 24.3** Valid Sept 1<sup>st</sup> - Dec. 31<sup>st</sup>

[www.fowlerprecision.com](http://www.fowlerprecision.com)

# Fowler Trimos THV Horizontal Calibration Packages

## THV Package 1 *includes...*

For checking pins, plugs and plain rings up to 4"

Includes	Description
54-198-558-0	THV with Floating Table
54-198-100-0	Block Support for H-Plate
54-198-101-0	H-Plate, provides clearance for plugs
54-198-261-0	Reverse Attachment for American style rings

\*THV Readout Required

Order No. 54-198-777-P1

**Special Package Price \$26,054.<sup>00</sup>**

List Price \$30,652.31



### Specifications:

Overall Application Range	Using standard probe
External measurement	0 - 4" /0 - 100mm
Internal measurement	0.4 - 4" /10 - 100mm
Scale Range (travel)	Absolute display up to 2"/50mm
Max. Measuring Band Error	0.000016"/0.4µm reference
Temperature 20°C	
Resolution	0.000001"/0.00001mm
Repeatability	0.000005" ±2s ( 0.1µm)
Adjustable Measuring Force	0 to 12N (0 - 40 oz.)

## THV Package 2 *includes...*

For checking thread plugs and plain rings up to 4"

Includes	Description
54-198-508-0	THV with Standard Table
54-198-100-0	Block Support for H-Plate
54-198-101-0	H-Plate, provides clearance for plugs
54-197-007-0	Thread Wire Set

\*THV Readout Required

Order No. 54-198-777-P2

**Special Package Price \$21,652.<sup>00</sup>**

List Price \$25,473.64

### THV Readouts - sold separately

Order No.	Description	List Price	Sale Price
54-198-400-0	USB Signal Converter w/ WIN DHI Software (Laptop required)	\$4,597.70	<b>\$4,460.00</b>
54-198-111-0	THV Digital Display	\$3,808.53	<b>\$3,460.00</b>

# Fowler Trimos Mini Horizontal Calibration Package

This economically priced set allows you to easily calibrate internal and external setting standards as well as measure parts up to 4" OD and as small as 0.24" ID.

The Fowler Trimos Mini Horizontal Special includes the Trimos Mini Horizontal and the Sylvac Nano Indicator with Bluetooth. Includes everything to get started! Additional accessories available, contact our technical department 1-800-788-2353.

 **TRIMOS**

 **SWISS  
MADE**



## Mini-Horizontal Features:

- Internal range: 0.24" - 4"/6 - 100mm
- External range: 0 - 4"/0 - 100mm
- Resolution: 0.00001"/0.0001mm
- Accuracy: 0.00008"/0.0022mm
- Monoblock construction with probe guide track
- Adjustable end-stop with anvil location
- Adjustable measuring pressure
- Adjustable measuring table



## Mark VI NANO Electronic Indicator Features:

- Range: 1"/25mm
- Resolution: 0.00001"/0.0001mm
- Accuracy: 0.00008"/0.0022mm
- Repeatability: 0.00002"/0.0005mm
- Lifetime warranty
- Large display
- Bluetooth
- IP54 protected against fluid and dust

  
LIFETIME WARRANTY



Order No. 53-190-012-TP

**Special Package Price \$9,095.00**

List Price \$9,995.00

Prices & Specifications are subject to change without notice.

# Venture 3030 XT Multi-Sensor Vision System



## Features:

- 11.8"/300mm x 11.8"/300mm x 7.8"/200mm XYZ stage
- Accuracy: 0.0002"/0.005mm
- Teach and repeat programming with Fowler FUSION
- 6.5:1 zoom optics (with optional CNC control)
- High resolution 0.5 $\mu$ m scales for increased accuracy



Order No. 54-242-000-0

## Rapid Measuring Systems



Measures multiple parts simultaneously



One touch measuring

**5000**

Up to 5000 dimensions

**1024**

Up to 1024 workpieces

**2**

Finish measurements in 2 seconds



Order No. 54-830-830-0

## 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

Model No.	Measuring Range
54-830-310-0	100mm x 200mm
54-830-320-0	200mm x 200mm
54-830-830-0	300mm x 200mm

**Call for more information, 1-800-788-2353!**

# SCAN S145 Series

*Our Largest Machines!*

## NEW 3D Probe Application

### Features:

- Full part measurement in just a few seconds
- Measuring range: 5.7"/145mm diameter, 50.3"/1280mm length
- Reduce inspection time & scrap, increase productivity
- High resolution and high accuracy
- One-click rapid measuring
- Optional measuring probe for measuring keyways, holes and hole locations



**Order No. 54-902-145-1**



# SCAN F60 Series

*For Larger Parts!*

### Features:

- Complete 2D part scan in less than 3 seconds
- Measuring range: 2.3"/60mm diameter, 12"/300mm length
- Reduce inspection time & scrap, Increase productivity
- High resolution and high accuracy
- One-click rapid measuring
- 30° tilting optics for complete thread measurements

**Order No. 54-902-406-5**

# SCAN S25 Series

*Fast, Accurate, Reliable & Repeatable!*

### Features:

- Ideal for small cylindrical parts
- 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**



# The BEST Solution for Shaft Scanning!

*Increase productivity while reducing scrap and inspection cycle times by a factor of 10 with the SCAN Family line-up.*



Automation



Systems



Prices & Specifications are subject to change without notice.



## Extol CMM (Mark 1)

### Features:

- Shop floor hardened for use at the machine center
- Easy to use FUSION Software
- Robust enough to use around the clock
- 5 temp. sensors allow for use in uncontrolled environments

ABERLINK   
Innovative Metrology

Fowler FUSION   
Metrology Software

Order No.	Description
EXT-370	(XY) 370mm x (Z) 270mm
EXT-520	(XY) 520mm x (Z) 300mm

## Fulcrum Revolutionary Manual CMM

### 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

ABERLINK   
Innovative Metrology

Fowler FUSION   
Metrology Software



Order No. 54-960-400-0

## NEW Star Styli Probe Kit *optional*

The Fulcrum can be supplied with our optional star styli kit. The star styli ensures excellent metrology performance and accessibility to side-face features measured in the X-Z or Y-Z projection planes.

### Kit Includes:

3mm Star Styli



6mm Star Styli

Calibration Artifact



Order No. 54-960-403-0

## zCAT Portable CMM



### Features:

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

**Fowler FUSION**  
Metrology Software



Order No. 54-950-001-0

## 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

**TRIMOS**  **SWISS MADE**

### 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

Prices & Specifications are subject to change without notice.

## Fowler Trimos V Series Electronic Height Gages

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.

### Features:

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

### V-Series Electronic Height Gages Comparison Chart

	V9	V8	V7	V6	V5	V4	V3
<b>Accuracy</b>							
1.2 + L(mm)/1000 $\mu$ m	✓	✓					
2 + L(mm)/400 $\mu$ m			✓	✓			
2.5 + L(mm)/300 $\mu$ m					✓		
4.5 - 6 $\mu$ m						✓	
7 - 8 $\mu$ m							✓
<b>Range</b>							
400/700mm	✓	✓	✓	✓	✓	✓	✓
1100mm	✓	✓	✓	✓	✓	✓	✓
<b>Smart Reverse for <math>\emptyset</math></b>	✓	✓	✓	✓	✓	✓	✓
<b>Air Cushion</b>	✓	✓	✓	✓	✓	✓	✓
<b>Wireless Option</b>	✓	✓	✓	✓	✓	✓	✓
<b>Manual/Motorized</b>	✓	✓	✓	✓	✓	✓	✓
<b>Manual ONLY</b>		✓				✓	✓
<b>Fine Adjustment</b>		✓					
<b>Color Display</b>	✓		✓				
<b>2D Measuring</b>	✓		✓				


**TRIMOS**

**SWISS  
MADE**


### All models include:

- Charging unit
- Measuring probe with ruby ball  $\emptyset$ 4mm
- Probe holder elbow  $\emptyset$  8mm
- Setting gage
- Test certificate

54-192-340-0

54-191-440-0

54-190-570-0



Order No.	Range	Range with Probe Inverted	List Price	<i>Sale Price</i>
V3				
54-192-340-0	16"/407mm	20"/508mm	\$5,419.97	<b>\$5,149.00</b>
54-192-370-0	28"/711mm	31.9"/812mm	\$5,511.60	<b>\$5,237.00</b>
V4				
54-191-440-0	16"/407mm	28.3"/719mm	\$6,584.83	<b>\$6,256.00</b>
54-191-470-0	28"/711mm	40.2"/1023mm	\$8,305.31	<b>\$7,891.00</b>
V5				
54-199-540-0	16"/407mm	28.3"/719mm	\$7,257.35	<b>\$6,895.00</b>
54-199-570-0	28"/711mm	40.2"/1023mm	\$8,600.23	<b>\$8,171.00</b>
54-199-590-0	43.7"/1110mm	56"/1422mm	\$13,583.85	<b>\$12,905.00</b>
V6				
54-199-640-0	16"/407mm	28.3"/719mm	\$9,014.34	<b>\$8,564.00</b>
54-199-670-0	28"/711mm	40.2"/1023mm	\$10,458.85	<b>\$9,936.00</b>
54-199-690-0	43.7"/1110mm	56"/1422mm	\$15,163.41	<b>\$14,406.00</b>
V7				
54-199-740-0	16"/407mm	28"/719mm	\$11,963.78	<b>\$11,366.00</b>
54-199-770-0	28"/711mm	40"/1023mm	\$12,781.27	<b>\$12,143.00</b>
54-199-790-0	44"/1100mm	56"/1422mm	\$18,311.10	<b>\$17,396.00</b>
V8 - Fine Adjustment				
54-199-840-0	16"/407mm	28"/724mm	\$13,157.00	<b>\$12,500.00</b>
54-199-870-0	28"/710mm	40"/1028mm	\$14,508.74	<b>\$13,784.00</b>
54-199-890-0	43"/1109mm	56"/1427mm	\$21,389.93	<b>\$20,321.00</b>
V9				
54-199-940-0	16"/407mm	28"/724mm	\$13,871.20	<b>\$13,178.00</b>
54-199-970-0	28"/710mm	40"/1028mm	\$14,254.65	<b>\$13,542.00</b>
54-199-990-0	43"/1109mm	56"/1427mm	\$21,462.33	<b>\$20,390.00</b>
Probe Sets				
54-199-105-0	4mm Probe Set, 21 piece		\$1,923.23	<b>\$1,828.00</b>
54-199-106-0	8mm Probe Set, 16 piece		\$1,556.00	<b>\$1,479.00</b>
54-199-107-0	8mm Basic Probe Set, 7 piece		\$509.53	<b>\$485.00</b>
Accessories				
45-300-002-0	ISO Certification		\$379.00	<b>\$199.00</b>
54-199-400-0	12"/300mm Holder - for 8mm probes		\$1,167.27	<b>\$1,109.00</b>
54-199-022-BT	Bluetooth transmitter (Not available for V3 models)		\$675.79	<b>\$642.00</b>
54-777-120-0	Vmux software - for connecting multiple units to one PC		\$538.54	<b>\$485.00</b>

**Certify Any Height Gage Below For Only \$199.00**

Valid only for Tool-A-Thon 24.3



# 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

**FREE 1mm Ball Probe**  
with 6"/150mm and 12"/300mm Hi\_Cal Purchase!

**ISO Certification available**  
for \$199.<sup>00</sup> extra!



54-931-150-BT

### All models Include:

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

### FREE Basic Probe Set

with 54-931-450-BT Hi\_Cal Purchase  
\$951.03 Value!



54-930-217-0



54-931-300-BT



54-931-450-BT

**sylvac**

**SWISS  
MADE**



### Full Probe Set



54-930-215-0

Order No.	Range	Accuracy	List Price	Sale Price
54-931-150-BT	6"/150mm	0.00013"/0.0034mm	\$6,080.26	<b>\$5,473.00</b>
54-931-150-BT-C	6"/150mm <i>with ISO/A2LA Certification</i>			<b>\$5,672.00</b>
54-931-300-BT	12"/300mm	0.00016"/0.0042mm	\$6,636.84	<b>\$5,974.00</b>
54-931-300-BT-C	12"/300mm <i>with ISO/A2LA Certification</i>			<b>\$6,173.00</b>
54-931-450-BT	17.5"/450mm	0.00020"/0.005mm	\$7,554.76	<b>\$6,442.00</b>
54-931-450-BT-C	17.5"/450mm <i>with ISO/A2LA Certification</i>			<b>\$6,641.00</b>
Accessories				
54-930-215-0	Full Probe Set		\$1,771.05	<b>\$1,594.00</b>
54-930-217-0	Basic Probe Set		\$951.03	<b>\$856.00</b>

# 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



54-180-412-0

54-180-524-5



Order No.	Description	Range	Resolution	List Price	Sale Price
54-180-412-0	V1	12"/306mm	0.001"/0.01mm	\$2,529.99	<b>\$2,299.99</b>
54-180-424-0	V1	24"/611mm	0.001"/0.01mm	\$3,299.99	<b>\$2,999.99</b>
54-180-512-0	V1+	12"/306mm	0.0001"/0.001mm	\$3,519.99	<b>\$3,199.99</b>
54-180-512-5	V1+ w/Granite Base	12"/306mm	0.0001"/0.001mm	\$4,069.99	<b>\$3,699.99</b>
54-180-524-0	V1+	24"/611mm	0.0001"/0.001mm	\$4,399.99	<b>\$3,999.99</b>
54-180-524-5	V1+ w/Granite Base	24"/611mm	0.0001"/0.001mm	\$4,949.99	<b>\$4,499.99</b>
Accessory					
54-194-904-0	Scraper for V1 and V1+			\$157.50	<b>\$141.00</b>

## Twin Beam Dial Height Gages

### Features:

- Separate digit counters register both upward & downward travel
- Zero setting can be obtained throughout the gage's range
- Coarse readings in 0.100" graduations: fine readings taken on indicator are 0.001"
- Dual chrome plated beams
- Carbide-tipped scriber.
- Base is hardened, ground & lapped for maximum flatness



52-174-212-0

Calibration certificates available for all sizes.

Order No.	Range	Accuracy	List Price	Sale Price
52-174-212-0	12"/300mm	± 0.0015"	\$366.99	<b>\$312.00</b>
52-174-224-0	24"/600mm	± 0.002"	\$611.70	<b>\$545.00</b>



# 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



54-567-100-BT

For special application heads, contact the  
Fowler Technical Department 1-800-788-2353



2 and 3 Point  
Screw Threads



2 and 3 Point  
Grooves



3 Point Spherical



Order No.	Range	Includes	List Price	Sale Price
<b>Pistol Grip Individual Sets</b>				
54-567-720-BT	0.750" - 1"/20 - 25mm	1 head, 1 handle, 1 ring	\$2,774.23	<b>\$2,372.00</b>
54-567-725-BT	1" - 1.375"/25 - 35mm	1 head, 1 handle, 1 ring	\$2,995.57	<b>\$2,697.00</b>
54-567-735-BT	1.375" - 2"/35 - 50mm	1 head, 1 handle, 1 ring	\$3,075.38	<b>\$2,768.00</b>
<b>Pistol Grip Complete Sets</b>				
54-567-009-BT	0.080" - 0.250"/2 - 6mm (2 pt.)	5 heads, 1 handle, 3 rings	\$7,033.38	<b>\$6,014.00</b>
54-567-010-BT	0.250" - 0.375"/6 - 10mm	2 heads, 1 handle, 1 ring	\$2,757.87	<b>\$2,358.00</b>
54-567-020-BT	0.375" - 0.750"/10 - 20mm	3 heads, 1 handle, 2 rings	\$3,226.40	<b>\$2,899.00</b>
54-567-050-BT	0.750" - 2"/20 - 50mm	3 heads, 1 handle, 2 rings	\$4,165.94	<b>\$3,790.00</b>
54-567-100-BT	2" - 4"/50 - 100mm	3 heads, 1 handle, 2 rings	\$4,636.93	<b>\$4,174.00</b>
54-567-105-BT	4" - 6"/100 - 150mm	2 heads, 1 handle, 1 ring	\$4,165.94	<b>\$3,790.00</b>
54-567-110-BT	6" - 8"/150 - 200mm	2 heads, 1 handle, 1 ring	\$5,498.92	<b>\$4,702.00</b>
54-567-200-BT	4" - 8"/100 - 200mm	4 heads, 1 handle, 2 rings	\$8,703.75	<b>\$7,920.00</b>
54-567-210-BT	0.750" - 4"/20 - 100mm	6 heads, 1 handle, 4 rings	\$5,091.00	<b>\$4,632.00</b>
54-567-620-BT	0.250" - 0.750"/6 - 20mm	5 heads, 1 handle, 3 rings	\$3,722.00	<b>\$3,434.00</b>
<b>Connectivity Cables/Accessory</b>				
54-115-526-0	Proximity cable with USB connection		\$223.37	<b>\$202.00</b>
54-115-527-0	Proximity cable with serial connection		\$216.29	<b>\$195.00</b>
54-115-246-BT	USB bluetooth receiver		\$49.45	<b>\$43.00</b>

# Bore Gaging Systems



## XTD3 Bluetooth Electronic Holemikes

**BIGGEST SALE EVER**

### 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



BOWERS GROUP



ENGLAND



Order No.	Range	Includes	List Price	Sale Price
<b>Holemike Individual Sets (Traditional style)</b>				
<b>2-Point Heads</b>				
54-367-003-BT	0.080" - 0.100"/2 - 2.5mm	1 head, 1 handle, 1 ring	\$2,643.30	<b>\$2,403.00</b>
54-367-004-BT	0.100" - 0.120"/2.5 - 3mm	1 head, 1 handle, 1 ring	\$2,643.30	<b>\$2,403.00</b>
54-367-005-BT	0.120" - 0.160"/3 - 4mm	1 head, 1 handle, 1 ring	\$2,872.63	<b>\$2,403.00</b>
54-367-006-BT	0.160" - 0.200"/4 - 5mm	1 head, 1 handle, 1 ring	\$2,643.30	<b>\$2,403.00</b>
54-367-007-BT	0.200" - 0.250"/5 - 6mm	1 head, 1 handle, 1 ring	\$2,872.63	<b>\$2,403.00</b>
<b>3-Point Heads</b>				
54-367-008-BT	0.250" - 0.312"/6 - 8mm	1 head, 1 handle, 1 ring	\$1,437.70	<b>\$1,307.00</b>
54-367-011-BT	0.312" - 0.375"/8 - 10mm	1 head, 1 handle, 1 ring	\$1,669.80	<b>\$1,518.00</b>
54-367-012-BT	0.375" - 0.500"/10 - 12.5mm	1 head, 1 handle, 1 ring	\$1,685.20	<b>\$1,532.00</b>
54-367-014-BT	0.500" - 0.625"/12.5 - 16mm	1 head, 1 handle, 1 ring	\$1,835.90	<b>\$1,669.00</b>
54-367-016-BT	0.625" - 0.750"/16 - 20mm	1 head, 1 handle, 1 ring	\$1,835.90	<b>\$1,669.00</b>
54-367-018-BT	0.750" - 1"/20 - 25mm	1 head, 1 handle, 1 ring	\$1,879.90	<b>\$1,709.00</b>
54-367-021-BT	1" - 1.375"/25 - 35mm	1 head, 1 handle, 1 ring	\$1,879.90	<b>\$1,709.00</b>
54-367-022-BT	1.375" - 2"/35 - 50mm	1 head, 1 handle, 1 ring	\$1,923.90	<b>\$1,749.00</b>
54-367-024-BT	2" - 2.625"/50 - 65mm	1 head, 1 handle, 1 ring	\$2,106.50	<b>\$1,915.00</b>
54-367-026-BT	2.625" - 3.250"/65 - 80mm	1 head, 1 handle, 1 ring	\$2,106.50	<b>\$1,915.00</b>
54-367-028-BT	3.250" - 4"/80 - 100mm	1 head, 1 handle, 1 ring	\$2,165.90	<b>\$1,969.00</b>
54-367-030-BT	4" - 5"/100 - 125mm	1 head, 1 handle, 1 ring	\$2,901.80	<b>\$2,638.00</b>
54-367-032-BT	5" - 6"/125 - 150mm	1 head, 1 handle, 1 ring	\$2,933.70	<b>\$2,667.00</b>
54-367-034-BT	6" - 7"/150 - 175mm	1 head, 1 handle, 1 ring	\$3,082.20	<b>\$2,802.00</b>
54-367-036-BT	7" - 8"/175 - 200mm	1 head, 1 handle, 1 ring	\$3,219.70	<b>\$2,927.00</b>
54-367-037-BT	8" - 9"/200 - 225mm	1 head, 1 handle, 1 ring	\$3,429.80	<b>\$3,118.00</b>
54-367-038-BT	9" - 10"/225 - 250mm	1 head, 1 handle, 1 ring	\$5,527.60	<b>\$3,185.00</b>
54-367-039-BT	10" - 11"/250 - 275mm	1 head, 1 handle, 1 ring	\$5,723.01	<b>\$3,296.00</b>
54-367-040-BT	11" - 12"/275 - 300mm	1 head, 1 handle, 1 ring	\$3,683.90	<b>\$3,349.00</b>
<b>Holemike Complete Sets (Traditional style)</b>				
54-367-000-BT	0.080" - 0.250"/2 - 6mm (2 pt.)	5 heads, 1 handle, 3 rings	\$4,545.20	<b>\$4,132.00</b>
54-367-010-BT	0.250" - 0.375"/6 - 10mm	2 heads, 1 handle, 1 ring	\$2,670.76	<b>\$2,430.00</b>
54-367-020-BT	0.375" - 0.750"/10 - 20mm	3 heads, 1 handle, 2 rings	\$3,187.03	<b>\$2,899.00</b>
54-367-050-BT	0.750" - 2"/20 - 50mm	3 heads, 1 handle, 2 rings	\$4,326.12	<b>\$3,935.00</b>
54-367-100-BT	2" - 4"/50 - 100mm	3 heads, 1 handle, 2 rings	\$4,791.89	<b>\$4,360.00</b>
54-367-105-BT	4" - 6"/100 - 150mm	2 heads, 1 handle, 1 ring	\$3,818.10	<b>\$3,471.00</b>
54-367-110-BT	6" - 8"/150 - 200mm	2 heads, 1 handle, 1 ring	\$5,034.70	<b>\$4,577.00</b>
54-367-200-BT	4" - 8"/100 - 200mm	4 heads, 1 handle, 2 rings	\$8,332.50	<b>\$7,575.00</b>
<b>Connectivity Cables/Accessory</b>				
54-115-526-0	Proximity cable with USB connection		\$223.37	<b>\$202.00</b>
54-115-527-0	Proximity cable with serial connection		\$216.29	<b>\$195.00</b>
54-115-246-BT	USB bluetooth receiver		\$49.45	<b>\$43.00</b>

## XT-Series Holemikes

Vernier Bore Micrometers



52-255-316-0

52-255-312-0



BOWERS GROUP



MADE IN ENGLAND

### 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
- Includes UKAS certificates for all Holemikes and setting rings

Order No.	Range	Grads.	Meas. Accuracy	Ring Depth	Ring Included	List Price	Sale Price	
52-255-310-0	0.250" - 0.312"	0.00025"	0.00015"	2.28"	0.312"	\$829.07	<b>\$622.00</b>	
52-255-311-0	0.312" - 0.375"	0.00025"	0.00015"	2.28"	0.312"	\$767.67	<b>\$576.00</b>	
52-255-312-0	0.375" - 0.500"	0.00025"	0.00015"	2.28"	0.5"	\$767.67	<b>\$576.00</b>	
52-255-313-0	0.500" - 0.625"	0.00025"	0.00015"	2.44"	0.5"	\$767.67	<b>\$576.00</b>	
52-255-314-0	0.625" - 0.750"	0.00025"	0.00015"	2.44"	0.75"	\$787.25	<b>\$591.00</b>	
52-255-315-0	0.750" - 1"	0.00025"	0.00015"	2.60"	0.75"	\$864.56	<b>\$649.00</b>	
52-255-316-0	1" - 1.375"	0.00025"	0.00015"	2.60"	1.375"	\$1,231.87	<b>\$924.00</b>	
52-255-317-0	1.375" - 2"	0.00025"	0.00015"	3.15"	1.375"	\$1,261.24	<b>\$946.00</b>	
52-255-318-0	2" - 2.625"	0.00025"	0.0002"	3.15"	2.625"	\$1,504.52	<b>\$1,129.00</b>	
52-255-319-0	2.625" - 3.250"	0.00025"	0.0002"	3.15"	2.625"	\$1,517.98	<b>\$1,139.00</b>	
52-255-320-0	3.250" - 4"	0.00025"	0.0002"	3.94"	3.25"	\$1,893.75	<b>\$1,421.00</b>	
52-255-321-0	4" - 5"	0.00025"	0.00025"	4.53"	5"	\$1,975.15	<b>\$1,480.00</b>	
52-255-322-0	5" - 6"	0.00025"	0.00025"	4.53"	5"	\$2,291.54	<b>\$1,718.00</b>	
Sets								
52-255-565-0	0.250" - 0.375"	2 heads, 2 handles, 1 ring				\$1,686.00	<b>\$1,265.00</b>	
52-255-665-0	0.375" - 0.750"	3 heads, 3 handles, 2 rings				\$2,096.32	<b>\$1,573.00</b>	
52-255-775-0	0.750" - 2"	3 heads, 3 handles, 2 rings				\$3,293.82	<b>\$2,471.00</b>	
52-255-890-0	4" - 6"	2 heads, 2 handles, 1 ring				\$3,137.31	<b>\$2,350.00</b>	
52-255-900-0	6" - 8"	2 heads, 2 handles, 1 ring				\$4,917.38	<b>\$3,685.00</b>	

## MicroGage

Pocket sized 2-point bore gaging system.



Replaces 100's of pin gages!

### Features:

- System range : 0.040" - 0.250"/1 - 6mm
- Accuracy: 1% - 2% of measuring range
- Switchable resolution 0.0005", 0.00005"/0.01, 0.001, 0.0005mm
- Repeatability : 0.00005"/0.001mm
- Sets include setting rings with UKAS certificates
- Depth stops available, call our technical department 1-800-788-2353



BOWERS GROUP



MADE IN ENGLAND

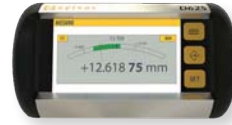
Order No.	Description	List Price	Sale Price
54-551-010-0	0.037" - 0.096"/0.95 - 2.45mm	\$3,950.93	<b>\$3,556.00</b>
54-551-011-0	0.060" - 0.167"/1.5 - 4.25mm	\$3,866.76	<b>\$3,481.00</b>
54-551-012-0	0.089" - 0.250"/2.25 - 6.35mm	\$4,162.45	<b>\$3,747.00</b>
Connectivity Cables			
54-115-526-0	Proximity cable with USB connection	\$223.37	<b>\$202.00</b>
54-115-527-0	Proximity cable with serial connection	\$216.29	<b>\$195.00</b>

# Ultima Bore Gaging Systems

World's most accurate system!



D62S



Display not included

**Features:**

- Accuracies of 0.00004" up to 1.97"
- Ceramic anvils with blind bore capabilities above 0.472"
- Uses compact, multi function Sylvac display



Order No.	Description	Set Includes	List Price	Sale Price
54-565-006-1	0.078" - 0.236"/2 - 6mm	Includes: handle, rings & heads	\$7,642.60	<b>\$6,497.00</b>
54-565-010-1	0.236" - 0.393"/6 - 10mm	Includes: handle, rings & heads	\$4,150.90	<b>\$3,529.00</b>
54-565-020-1	0.393" - 0.787"/10 - 20mm	Includes: handle, rings & heads	\$6,175.54	<b>\$5,250.00</b>
54-565-070-1	0.236" - 0.787"/6 - 20mm	Includes: handle, rings & heads	\$9,658.72	<b>\$7,727.00</b>
54-565-080-1	0.787" - 1.97"/20 - 50mm	Includes: handle, rings & heads	\$10,589.24	<b>\$8,472.00</b>
54-565-090-1	1.97" - 3.94"/50 - 100mm	Includes: handle, rings & heads	\$11,758.98	<b>\$9,408.00</b>
54-565-100-1	0.787" - 3.94"/20 - 100mm	Includes: handle, rings & heads	\$18,007.01	<b>\$14,405.00</b>
Digital Displays				
54-618-106-2	Sylvac D62S Digital Display		\$1,535.33	<b>\$1,382.00</b>
54-618-106-3	Sylvac D62S Advanced Digital Display		\$1,982.16	<b>\$1,799.00</b>

## Deluxe Universal Gage

Internal & External Measurements up to 118" (with optional extensions)

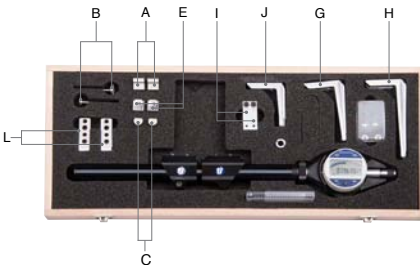


**Features:**

- Used for Internal and external measurement
- ID range 1.18" - 10", OD range 0 - 8.4"
- Large range of accessories with constant measuring pressure and digital readout
- Stackable extensions for increasing range available
- Anvil travel of 0.78"

**Available on special order**

Pair of ball inserts for gear/spline measurements. Thread inserts for internal/external threads. Special anvils such as cones, balls, pins, etc. Contact our Technical Department for price quotes.



Accessories included		
A.	54-265-045-0	Pair of Flat Shoulder Anvils
B.	54-265-048-0	Pair of Internal Disc Anvils (large)
C.	54-265-049-0	Pair of Internal/External Disc Anvils (small)
D.	54-265-055-0	Pair of Clamping adaptors
E.	54-265-047-0	Pair of Cylindrical Shoulder Anvils
F.	54-265-015-0	Pair of Spherical Tip Contact Points
G.	54-265-030-0	Pair of Measuring Arms 3"(75mm) long
H.	54-265-040-0	Pair of Measuring Arms 4"(100mm) long
I.	54-265-043-0	Pair of Depth Stops
J.	54-265-020-0	Pair of Measuring Arms 2"(50mm) long
K.	54-265-010-0	Pair of Flat Contact Points
L.	54-265-041-0	Pair of Mounting attachments

Order No.	Description	List Price	Sale Price
54-265-777-0	Deluxe Universal Gage with Accessories	\$6,950.00	<b>\$6,199.00</b>
54-265-000-0	Deluxe Universal Gage ONLY	\$ 4,465.94	<b>\$ 3,999.00</b>

# XTENDER<sup>®</sup> Electronic Bore Gage Set

with Carbide Anvils

Industry's 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.

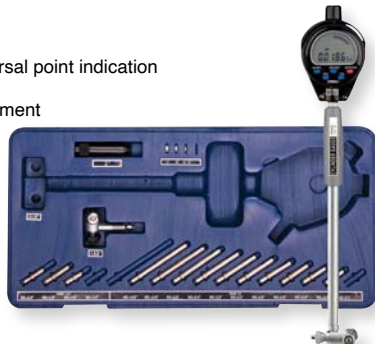


#### Bore Gage features:

- 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



Use with Bore Gage Setting Master Kits, page 17.

Order No.	Range	Resolution	List Price	Sale Price
52-646-401-0	1.4 - 6"/35 - 150mm	0.00005"/0.001mm	\$420.79	<b>\$358.00</b>
Extensions				
52-646-450-0	20" depth extension		\$108.40	<b>\$98.00</b>
52-646-475-0	40" depth extension		\$121.82	<b>\$110.00</b>

## Dial Cylinder Bore Gages

2-point bore measuring



52-646-100-0

#### 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

Use with Bore Gage Setting Master Kits, page 17.

Order No.	Range	Graduation	Accuracy	List Price	Sale Price
52-646-100-0	0.7" - 1.5"	0.0005"	0.0009"	\$169.38	<b>\$128.00</b>
52-646-300-0	2" - 6"	0.0005"	0.0009"	\$160.27	<b>\$137.00</b>
52-646-400-0	1.4" - 6"	0.0005"	0.0009"	\$212.85	<b>\$160.00</b>
52-646-500-0	1.4" - 6"	0.0001"	0.0005"	\$276.34	<b>\$179.00</b>
52-646-220-0	35 - 60mm	0.01mm	0.02mm	\$277.40	<b>\$236.00</b>
Extensions					
52-646-450-0	20" depth extension	*Not for use with 52-646-100-0		\$108.40	<b>\$98.00</b>
52-646-475-0	40" depth extension	*Not for use with 52-646-100-0		\$121.82	<b>\$110.00</b>



# Internal & External Electronic Caliper Gages

For grooves and recesses.



54-554-611-0



54-554-711-0

**Features:**

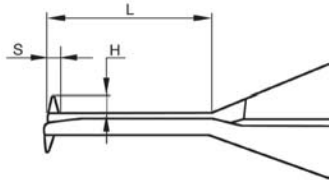
- Accuracy:  $\pm 0.0008"/\pm 0.02\text{mm}$
- Resolution:  $0.0002"/0.005\text{mm}$
- Analog scale for reversal point indication
- Large, LCD display
- Preset capability
- Absolute and incremental measurements modes
- High-impact, aircraft aluminum case
- Rugged housing

**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	8mm	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
<b>Internal Caliper Gages</b>			
54-554-611-0	0.200" - 0.590"/5 - 15mm	\$207.51	<b>\$177.00</b>
54-554-622-0	0.200" - 1"/5 - 25mm	\$222.49	<b>\$190.00</b>
54-554-623-0	0.400" - 1.2"/10 - 30mm	\$232.88	<b>\$198.00</b>
54-554-624-0	0.790" - 1.6"/20 - 40mm	\$266.52	<b>\$227.00</b>
54-554-625-0	1.2" - 2"/30 - 50mm	\$266.52	<b>\$227.00</b>
<b>External Caliper Gages</b>			
54-554-711-0	0 - 0.400"/0 - 10mm	\$237.48	<b>\$202.00</b>
54-554-722-0	0 - 0.790"/0 - 20mm	\$254.63	<b>\$217.00</b>
54-554-723-0	0.4" - 1.2"/10 - 30mm	\$266.52	<b>\$227.00</b>
54-554-724-0	0.790" - 1.6"/20 - 40mm	\$266.52	<b>\$227.00</b>
54-554-725-0	1.2" - 2"/30 - 50mm	\$232.88	<b>\$198.00</b>

## Bore Gage Setting Master Kits - Inch & Metric

Fowler's Bore Gage Setting Master Kit is used for accurately setting any 2 point cylinder bore gage up to 6"/150mm in diameter to an accuracy of 0.0001"/0.003mm



**Each Set includes:  
Setting Device**

- Base anvil: 3.950" x 1.050"
- Adjustable anvil 2.375" x .375" (two each)
- Internal capacity: 6"/150mm
- Centralizer capacity width: 2.750"
- Quick-release holder for fast adjustment

**Economy Gage Block Sets**

*Inch model:*

- 36 piece
- Tolerances to .00005"
- Certificate of Calibration to NIST

*Metric model:*

- 33 piece
- AS-2 grade
- Certificate of Calibration to NIST

*Bore gage shown not included*

**Includes:**

**Bore gage setting master and gage block set!  
All in a custom-fitted case!**

Order No.	Description	List Price	Sale Price
53-646-000-1	Inch Bore Gage Setting Master Kit	\$400.72	<b>\$341.00</b>
53-646-010-0	Metric Bore Gage Setting Master Kit	\$407.18	<b>\$347.00</b>
53-646-005-0	Bore Gage Setting Master Kit - <b>without</b> Gage Blocks	\$247.69	<b>\$211.00</b>



## Electronic Calipers Comparison Chart

	Data Output	Wireless	IP Rating	IN/MM/Frac.	Sizes
Ultra-Cal VI Calipers	✓	✓	IP67	—	6", 8", 12"
Ultralight IV Calipers	✓	✓	IP67	—	15", 24", 40", 60", 80", 100"
IP67 Calipers	✓	✓	IP67	—	6", 12"
Digital Calipers	✓	✓	IP40	—	4", 6", 8", 12"
Carbon Fiber Calipers	✓	—	IP65	—	24", 40", 60"
Xtra-Range Calipers	✓	—	IP54	—	12", 24"
Xtra-Value PLUS Calipers	—	—	IP54	✓	6", 12"
Xtra-Value Calipers	—	—	—	—	6", 8", 12"

## Swiss Ultralight IV Electronic Calipers

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



### 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 $\mu$ m	\$2,532.88	<b>\$2,153.00</b>
54-110-524-0	0 - 24"/0 - 600mm	0.0016"/40 $\mu$ m	\$3,016.86	<b>\$2,565.00</b>
54-110-540-0	0 - 40"/0 - 1000mm	0.002"/50 $\mu$ m	\$3,474.34	<b>\$2,954.00</b>
54-110-560-0	0 - 60"/0 - 1500mm	0.0035"/90 $\mu$ m	\$4,564.28	<b>\$3,880.00</b>
54-110-580-0	0 - 80"/0 - 2000mm - <i>special order</i>	0.0048"/120 $\mu$ m	\$7,048.49	<b>\$5,992.00</b>
54-110-600-0	0 - 100"/0 - 2500mm - <i>special order</i>	0.0078"/200 $\mu$ m	\$8,585.95	<b>\$7,299.00</b>
Connectivity Cables/Accessories				
54-981-713-2	Sylcom Basic Data Processing Software		\$810.69	<b>\$771.00</b>
54-115-526-0	Proximity USB Cable		\$223.37	<b>\$202.00</b>
54-115-527-0	Proximity Serial Cable		\$216.29	<b>\$195.00</b>
54-115-246-BT	USB Bluetooth Receiver		\$49.45	<b>\$43.00</b>

# Swiss Ultra-Cal VI Electronic Calipers

3 styles to suit your needs.



54-100-167-0



54-100-444-1



Easy Data Collection using Sylcom Software.

Data processing software



24.3

Calipers

## Features:

- IP67 protected against fluid and dust
- Available with Bluetooth, proximity cable or no SPC output
- Heavy duty frame (3.5mm)
- Extra large display
- Available with ISO Cert
- 12"/300mm is supplied without depth rod



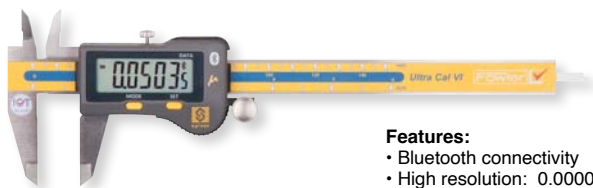
Calibration certificates available for all sizes.

Order No.	Range	Accuracy	Resolution	List Price	Sale Price
Bluetooth Communication					
54-100-167-0	6"/150mm	0.0008"/20µm	0.0005"/0.01mm	\$425.08	<b>\$383.00</b>
54-100-168-0	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	\$725.47	<b>\$653.00</b>
54-100-169-0	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	\$886.25	<b>\$754.00</b>
Proximity Cable Communication					
54-100-444-1	6"/150mm	0.0008"/20µm	0.0005"/0.01mm	\$196.06	<b>\$177.00</b>
54-100-448-1	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	\$439.69	<b>\$396.00</b>
54-100-412-1	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	\$593.06	<b>\$534.00</b>
Without Data Output					
54-100-177-0	6"/150mm	0.0008"/20µm	0.0005"/0.01mm	\$169.18	<b>\$153.00</b>
54-100-178-0	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	\$398.79	<b>\$359.00</b>
54-100-179-0	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	\$460.06	<b>\$415.00</b>
Connectivity Cables/Accessories					
54-981-713-2	Sylcom Basic Data Processing Software			\$810.69	<b>\$771.00</b>
54-115-526-0	Proximity cable with USB Connection			\$223.37	<b>\$202.00</b>
54-115-527-0	Proximity cable with Serial Connection			\$216.29	<b>\$195.00</b>
54-115-246-BT	USB Bluetooth Receiver			\$49.45	<b>\$43.00</b>



# Micron 0.0005" 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	\$491.80	<b>\$440.00</b>
Accessory			
54-115-246-BT	USB Bluetooth receiver	\$49.45	<b>\$43.00</b>

## 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	\$211.24	<b>\$191.00</b>
54-100-512-BT	0 - 12"/300mm	0.0015"/0.04mm	\$259.54	<b>\$234.00</b>

## XTRA-VALUE Plus Electronic Calipers

IP54 protected with inch/metric/fractions.



54-103-006-0



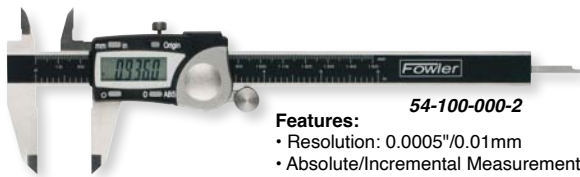
#### Features:

- 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	\$98.98	<b>\$80.00</b>
54-103-012-0	0 - 12"/300mm	0.0015"/0.03mm	\$149.79	<b>\$110.00</b>

## Electronic Calipers

Absolute location retention after shut off.



54-100-000-2

### Features:

- Resolution: 0.0005"/0.01mm
- Absolute/Incremental Measurement
- Stainless steel frame
- Direct Inch/Metric conversion
- 4-way measuring, inside, outside, depth and step
- Wireless SPC data option

Order No.	Range	Accuracy	List Price	Sale Price
54-100-004-2	4"/100mm	0.001"/0.02mm	\$143.24	<b>\$122.00</b>
54-100-000-2	6"/150mm	0.001"/0.02mm	\$161.96	<b>\$146.00</b>
54-100-008-2	8"/200mm	0.0015"/0.04mm	\$164.57	<b>\$140.00</b>
54-100-112-2	12"/300mm	0.0015"/0.04mm	\$226.48	<b>\$193.00</b>
Accessories				
54-115-100-0	Wireless transmitter		\$119.81	<b>\$114.00</b>

## EURO-CAL<sup>IV</sup>® Electronic Calipers

**Special Pricing** on the 6" Caliper



54-100-330-1

- Absolute/Incremental Measurement
- Resolution: 0.0005"/0.01mm (Fractions in 1/64" increments)
- Stainless steel frame
- 4-way measuring, inside, outside, depth and step

Order No.	Range	Accuracy	List Price	Sale Price
54-100-330-1	0 - 6"/150mm	± 0.001"/0.02mm	\$143.05	<b>\$89.00</b>
54-100-332-0	0 - 12"/300mm	± 0.0015"/0.04mm	\$217.14	<b>\$130.00</b>

## XTRA-VALUE CAL Electronic Calipers

Value priced verniers.



54-101-150-2

### Features:

- Stainless steel frame
- Resolution: 0.0005"/0.01mm
- Absolute/Incremental measurement
- 4-way measuring, inside, outside, depth and step
- 6" and 12" regular display models include NIST Cert.



Order No.	Range	Accuracy	List Price	Sale Price
54-101-150-2	6"/150mm - Regular Display	0.001"/0.02mm	\$54.93	<b>\$47.00</b>
54-101-600-1	6"/150mm - Large Display with Hold feature	0.0015"/0.04mm	\$75.62	<b>\$57.00</b>
54-101-200-1	8"/200mm - Regular Display	0.0015"/0.04mm	\$102.31	<b>\$87.00</b>
54-101-300-1	12"/300mm - Regular Display	0.0015"/0.04mm	\$125.48	<b>\$107.00</b>
54-101-900-1	12"/300mm - Large Display with Hold feature	0.0015"/0.04mm	\$165.55	<b>\$125.00</b>

Fowler

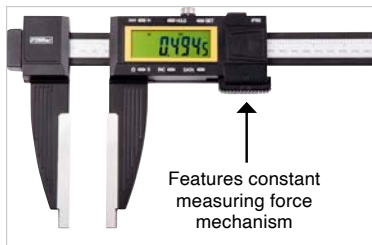
# XTRA-RANGE® Carbon Fiber Electronic Calipers



54-100-140-0

## Features:

- IP65 protected against fluid and dust
- Lightweight carbon fiber frame
- Stainless steel jaws with ID ribs
- 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

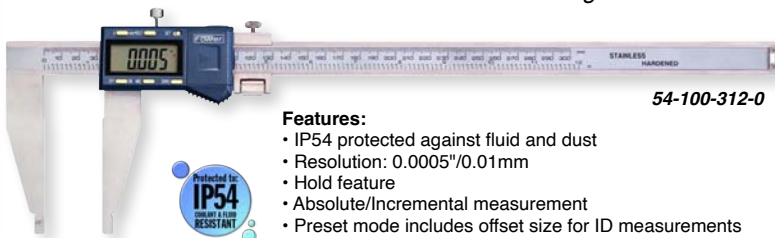


Features constant measuring force mechanism

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.	\$825.00	<b>\$743.00</b>
54-100-140-0	0 - 40"/1000mm	0.0025"/0.06mm	5.4"/138mm	3.45 lbs.	\$1,495.00	<b>\$1,346.00</b>
54-100-160-0	0 - 60"/1500mm	0.0055"/0.13mm	5.9"/150mm	4.4 lbs.	\$1,995.00	<b>\$1,796.00</b>

# XTRA-RANGE® Electronic Calipers

For large measurements



54-100-312-0

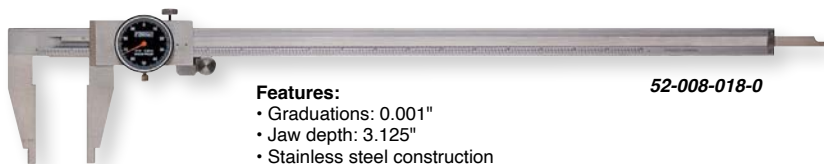
## Features:

- 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"	\$266.68	<b>\$241.00</b>
54-100-024-1	0 - 24"/600mm	± 0.003"/0.075mm	4"	\$412.94	<b>\$372.00</b>
54-100-042-1	0 - 40"/1000mm	± 0.004"/0.1mm	4.9"	\$1,438.90	<b>\$1,295.00</b>

# XTRA-RANGE® Dial Calipers

With full length depth rod



52-008-018-0

## 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
52-008-018-0	0 - 18"	± 0.003"	\$292.40	<b>\$234.00</b>
52-008-024-0	0 - 24"	± 0.003"	\$354.33	<b>\$302.00</b>

# Premium Grade Dial Calipers

With mono-block housing for added protection.

**Purchase a 12" & Receive a 6" Free**

Buy a 12" (52-008-712-0) at **list price** and get a 6" (52-008-706-0) **FREE**.



52-008-706-0



52-008-707-0

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) <b>FREE</b>			\$268.62	<b>\$165.88</b>
52-008-704-1	0 - 4"	White	± 0.001"	\$90.00	<b>\$55.00</b>
52-008-714-1	0 - 4"	Black	± 0.001"	\$90.00	<b>\$77.00</b>
52-008-706-0	0 - 6"	White	± 0.001"	\$102.74	<b>\$75.00</b>
52-008-707-0	0 - 6"	Black	± 0.001"	\$102.74	<b>\$75.00</b>
52-008-708-0	0 - 8"	White	± 0.0015"	\$123.37	<b>\$105.00</b>
52-008-712-0	0 - 12"	White	± 0.002"	\$165.88	<b>\$141.00</b>
Metric					
52-008-709-0	0 - 150mm	Yellow	± 0.02mm	\$105.93	<b>\$91.00</b>



## Electronic Micrometers Comparison Chart

	Data Output	Wireless	IP Rating	Sizes
RAPID-MIC Micrometers	✓	✓	IP67	0 - 4"
DIGI-MIC Micrometers	✓	✓	IP67	0 - 1"
Xtra-MIC PLUS Mics.	✓	—	IP54	0 - 4"
Coolant Resistant Mics.	—	—	IP54	0 - 4"
Xtra-Value II Micrometers	—	—	IP40	0 - 4"

## 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 order)**

**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	\$625.88	<b>\$532.00</b>
54-815-060-0	1.18" - 2.6"/30 - 66mm	0.00016"/0.004mm	\$1,134.49	<b>\$1,022.00</b>
54-815-100-0	2.6" - 4.0"/66 - 102mm	0.00020"/0.005mm	\$1,237.69	<b>\$1,114.00</b>
Set				
54-815-111-0	0 - 4"/0 - 102mm		\$2,851.16	<b>\$2,424.00</b>
Bluetooth Models				
54-815-130-0	0 - 1.18"/0 - 30mm	0.00012"/0.003mm	\$986.19	<b>\$888.00</b>
54-815-160-0	1.18" - 2.6"/30 - 66mm	0.00016"/0.004mm	\$1,311.38	<b>\$1,216.00</b>
54-815-110-0	2.6" - 4.0"/66 - 102mm	0.00020"/0.005mm	\$1,553.60	<b>\$1,259.00</b>
Bluetooth Set				
54-815-112-0	0 - 4"/0 - 102mm		\$4,079.31	<b>\$3,218.00</b>
Connectivity Cables/Accessories				
54-981-713-2	Sylcom Basic Data Processing Software		\$810.68	<b>\$771.00</b>
54-981-724-5	Sylcom Pro Data Processing Software		\$1,939.95	<b>\$1,843.00</b>
54-115-526-0	Proximity cable with USB connection		\$223.37	<b>\$202.00</b>
54-115-527-0	Proximity cable with serial connection		\$216.29	<b>\$195.00</b>
54-115-246-BT	USB Bluetooth receiver		\$49.45	<b>\$43.00</b>



# DigiMic Electronic Micrometer

The world standard of precision with IP67 and Bluetooth®.



24.3



### Features:

- IP67 protected against fluid and dust
- Very High Accuracy: 0.00008"/0.002mm (0-1"/25mm)
- Bluetooth IOT ready, no dongle or cable required for SPC data collection
- Carbide measuring surfaces, sleep and absolute modes



BOWERS GROUP



Order No. 54-816-025-0

Calibration certificate available.

**Sale \$644.00**

List Price \$886.83

## XTRA-MIC PLUS Electronic Micrometers



54-880-001-0



**25% off**

Limited quantities



### Features:

- IP54 protected against fluid and dust
- Super large LCD display, 14mm height
- Resolution: 0.00005"/0.001mm
- Carbide tipped anvil and spindle

Order No.	Range	Accuracy	List Price	Sale Price
54-880-001-0	0 - 1"/0 - 25mm	0.00016"/0.004mm	\$152.26	<b>\$105.00</b>
54-880-002-0	1 - 2"/25 - 50mm	0.00016"/0.004mm	\$194.98	<b>\$125.00</b>
54-880-003-0	2 - 3"/50 - 75mm	0.0002"/0.005mm	\$208.44	<b>\$145.00</b>
54-880-004-0	3 - 4"/75 - 100mm	0.0002"/0.005mm	\$239.01	<b>\$155.00</b>
Set				
54-880-103-0	0 - 3"/0 - 75mm		\$538.08	<b>\$384.00</b>

## Electronic IP54 Blade Micrometers



54-860-241-0



### Features:

- IP54 protected against fluid and dust
- Blades are 0.030" thick x 0.255" long
- Accuracy: 0.00016"
- Resolution: 0.00005"/0.001mm
- Friction thimble

Order No.	Range	List Price	Sale Price
54-860-241-0	0 - 1" Blade Anvil	\$300.90	<b>\$241.00</b>
54-860-242-0	1" - 2" Blade Anvil with standard	\$374.05	<b>\$300.00</b>

Micrometers



Prices & Specifications are subject to change without notice.

## Electronic Coolant Resistant Micrometers

For basic outside measurements with higher protection.



### 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
- Sizes over 1"/25mm include a calibration standard

Order No.	Range	Accuracy	List Price	Sale Price
54-860-001-1	0 - 1"/0 - 25mm	± 0.00016"/0.004mm	\$157.14	<b>\$126.00</b>
54-860-002-1	1 - 2"/25 - 50mm w/standard	± 0.00016"/0.004mm	\$181.88	<b>\$146.00</b>
54-860-003-1	2 - 3"/50 - 75mm w/standard	± 0.0002"/0.005mm	\$190.70	<b>\$138.00</b>
54-860-004-1	3 - 4"/75 - 100mm w/standard	± 0.0002"/0.005mm	\$221.40	<b>\$169.00</b>
Set				
54-860-103-1	0 - 3"/0 - 75mm w/standards		\$516.67	<b>\$414.00</b>

## XTRA-VALUE II Electronic Micrometers



### 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 standard

Order No.	Range	Accuracy	List Price	Sale Price
54-870-001-0	0 - 1"/0 - 25mm	± 0.00016"/0.004mm	\$107.28	<b>\$86.00</b>
54-870-002-0	1" - 2"/25 - 50mm	± 0.00016"/0.004mm	\$115.85	<b>\$93.00</b>
54-870-003-0	2" - 3"/50 - 75mm	± 0.0002"/0.005mm	\$138.56	<b>\$111.00</b>
54-870-004-0	3" - 4"/75 - 100mm	± 0.0002"/0.005mm	\$169.62	<b>\$136.00</b>
Set				
54-870-103-0	0 - 3"/0 - 75mm w/standards		\$346.42	<b>\$278.00</b>

## Point Anvil & Spindle Micrometers

30° pointed anvil and spindle for measuring small grooves, key-ways, small flutes, and hard to reach dimensions.



54-860-661-0

### Features:

- IP54 protected against fluid and dust
- Resolution: 0.00005"/0.001mm
- Carbide measuring points
- Absolute and incremental modes
- Ratchet thimble
- Sizes over 1"/25mm include a calibration standard



Order No.	Range	Accuracy	List Price	Sale Price
54-860-661-0	0 - 1"/0 - 25mm	± 0.00016"/0.004mm	\$199.80	<b>\$159.00</b>
54-860-662-0	1 - 2"/25 - 50mm	± 0.00016"/0.004mm	\$242.81	<b>\$195.00</b>
54-860-663-0	2 - 3"/50 - 75mm	± 0.0002"/0.005mm	\$271.60	<b>\$215.00</b>
54-860-664-0	3 - 4"/75 - 100mm	± 0.0002"/0.005mm	\$295.40	<b>\$235.00</b>

## Electronic IP54 Disc Micrometer



Order No. 54-860-301-0

### Features:

- IP54 protected against fluid and dust
- 0 - 1" range, accuracy 0.00016"/0.004mm
- Resolution: 0.00005"/0.001mm
- Friction thimble for repeatability
- Extra large 0.788" disc with 0.035" edge thickness
- Easily enters hard-to-reach areas



**Sale \$249.00**

List Price \$339.31

## Digit Counter Disc Micrometer



Order No. 52-250-301-1

### Features:

- Anvil and spindle are hardened and precision ground
- Flatness: 0.00004"
- Accuracy: 0.00016", Graduation: 0.0001"
- Disc edge thickness: 0.035", disc dia.: 0.708"
- Ratchet thimble
- The disc type anvil and spindle simplifies measuring the thickness of difficult, closely spaced sections

**Sale \$143.00**

List Price \$178.71

Fowler

# Outside Vernier Micrometers

0.0001" graduations for higher accuracy.



52-240-001-1



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	<del>Safe Price</del>
52-240-001-1	0 - 1"	± 0.00016"	Friction	\$45.94	<del>\$40.00</del>
52-240-101-1	0 - 1"	± 0.00016"	Ratchet	\$45.94	<del>\$40.00</del>
52-240-002-1	1" - 2"	± 0.00016"	Friction	\$53.43	<del>\$46.00</del>
52-240-102-1	1" - 2"	± 0.00016"	Ratchet	\$61.14	<del>\$52.00</del>
52-240-003-1	2" - 3"	± 0.0002"	Ratchet	\$62.43	<del>\$54.00</del>
52-240-004-1	3" - 4"	± 0.0002"	Ratchet	\$79.78	<del>\$68.00</del>
52-240-005-1	4" - 5"	± 0.00024"	Ratchet	\$88.36	<del>\$76.00</del>
52-240-006-1	5" - 6"	± 0.00024"	Ratchet	\$96.81	<del>\$83.00</del>
52-240-007-1	6" - 7"	± 0.00028"	Ratchet	\$105.26	<del>\$90.00</del>
52-240-008-1	7" - 8"	± 0.00028"	Ratchet	\$108.25	<del>\$93.00</del>
52-240-009-1	8" - 9"	± 0.00032"	Ratchet	\$123.03	<del>\$105.00</del>
52-240-010-1	9" - 10"	± 0.00032"	Ratchet	\$139.52	<del>\$119.00</del>
52-240-011-1	10" - 11"	± 0.00036"	Ratchet	\$154.30	<del>\$132.00</del>
52-240-012-1	11" - 12"	± 0.00036"	Ratchet	\$193.48	<del>\$165.00</del>
52-215-003-1	0 - 3" with standards and fitted case			\$183.19	<del>\$147.00</del>
52-215-004-1	0 - 4" with standards and fitted case			\$262.46	<del>\$224.00</del>
52-215-006-1	0 - 6" with standards and fitted case			\$445.54	<del>\$379.00</del>
52-215-012-1	0 - 12" with standards and fitted case			\$1,350.70	<del>\$899.00</del>
52-215-612-1	6 - 12" with standards and fitted case			\$891.07	<del>\$758.00</del>

# 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
- Sizes over 1"/25mm include a standard

Order No.	Range	Accuracy	Thimble	List Price	Sale Price
52-253-001-1	0 - 1"	± 0.001"	Friction	\$38.66	<b>\$33.00</b>
52-253-101-1	0 - 1"	± 0.001"	Ratchet	\$38.66	<b>\$33.00</b>
52-253-002-1	1" - 2"	± 0.001"	Friction	\$52.58	<b>\$45.00</b>
52-253-102-1	1" - 2"	± 0.001"	Ratchet	\$45.94	<b>\$40.00</b>
52-253-003-1	2" - 3"	± 0.001"	Ratchet	\$61.15	<b>\$52.00</b>
52-253-004-1	3" - 4"	± 0.001"	Ratchet	\$62.43	<b>\$54.00</b>
52-253-005-1	4" - 5"	± 0.001"	Ratchet	\$69.71	<b>\$60.00</b>
52-253-006-1	5" - 6"	± 0.001"	Ratchet	\$77.21	<b>\$66.00</b>
Set					
52-253-600-1	0 - 6" Set with standards and fitted case			\$354.41	<b>\$302.00</b>

# 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
- Includes case

Order No.	Range	Accuracy	List Price	Sale Price
52-224-001-1	0 - 1"	0.00016"	\$125.49	<b>\$95.00</b>
52-224-002-1	1" - 2"	0.00016"	\$131.81	<b>\$98.00</b>
52-224-003-1	2" - 3"	0.0002"	\$150.12	<b>\$106.00</b>
52-224-004-1	3" - 4"	0.0002"	\$189.08	<b>\$133.00</b>
Sets				
52-224-103-0	0 - 3" set (set finished in grey enamel)		\$396.05	<b>\$278.00</b>
52-224-104-0	0 - 4" set (set finished in grey enamel)		\$561.69	<b>\$394.00</b>
52-224-220-0	0 - 75mm set (set finished in grey enamel)		\$463.37	<b>\$292.00</b>



## Electronic IP65 Thread Micrometers

For accurate pitch diameter measurements



54-219-001-0



### Features:

- IP65 protected against fluid and dust
- Thread range: 64 - 3.5 TPI/0.4 - 7mm
- Accuracy:  $\pm 0.00008''/0.002\text{mm}$
- 60° measuring anvils
- Absolute and incremental measuring mode
- Resolution:  $0.00005''/0.001\text{mm}$
- Friction thimble

Order No.	Range	Thread Range	Accuracy	List Price	Sale Price
54-219-001-0	0 - 1"/0 - 25mm	64 - 5 TPI/0.4 - 5mm	$\pm 0.00008''/0.002\text{mm}$	\$289.94	<b>\$261.00</b>
54-219-002-0	1" - 2"/25 - 50mm	44 - 3.5 TPI/0.6 - 7mm	$\pm 0.00008''/0.002\text{mm}$	\$349.06	<b>\$315.00</b>

## Vernier Thread Micrometers



52-219-001-1

### 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"	\$132.54	<b>\$120.00</b>
52-219-002-1	1" - 2"	44 - 3.5 TPI/0.6 - 7mm	0.00016"	\$127.49	<b>\$115.00</b>

## Thread Measuring Wire Set

### Features:

- NOW includes wire holders
- 48 wires in 16 different, 3 wire sets
- Accuracy for sizes 0.018" through 0.108" is within  $+0/-0.0004''$
- Accuracy for sizes 0.120" through 0.185" is within  $+0/-0.0005''$
- Measures all U.S. 60° threads from 3 - 48 threads per inch



Order No. 52-485-048-0

**Sale \$34.00**

List Price \$38.97

# Electronic IP54 Inside Micrometer



**Features:**

- IP54 protected against fluid and dust
- Each gage includes appropriate setting ring for exceptional accuracy
- Range: 0.2" - 1.2"
- Accuracy: 0.00020"/0.005mm
- Resolution: 0.00005"/0.001mm
- Friction thimble

**Includes setting ring!**

**Order No. 54-860-275-0**

**Sale \$258.00**

List Price \$303.65

# IP54 Electronic Depth Micrometer

**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
- Rod diameter: 0.176"



**Order No. 54-225-456-0**

**Sale \$226.00**

List Price \$250.55

# Digit Counter Depth Micrometers

**Features:**

- Easy-to-read digit counter
- Microfine 0.001" graduations
- Base surface hardened and microlapped to 0.00008" flatness
- Ratchet thimble
- Rod diameter: 0.176"
- Includes wrench and fitted case



**52-225-226-0**

Order No.	Range	Graduation	Accuracy	Base Size	List Price	Sale Price
52-225-176-0	0 - 6"	0.001"	0.0002"	2.5"	\$219.24	<b>\$198.00</b>
52-225-226-0	0 - 6"	0.001"	0.0002"	4"	\$243.57	<b>\$208.00</b>

## Electronic Indicators Comparison Chart

	Data Output	Wireless Option	IP Rating	IN/MM/Frac.
MARK VI Indicators	✓	✓	IP54	—
Mini-S Indicators	✓	✓	IP67	—
Quadra-TEST Indicators	✓	✓	IP65	—
Indi-X BT Indicators	—	✓	IP65	—
Indi-X Indicators	—	—	—	✓



### Mark VI Electronic Indicators

Our **BEST** electronic indicators!



#### Features:

- IP54 protected against fluid and dust
- Output: Proximity/Power - USB/RS232/digimatic/Wireless
- Functions (MIN/MAX/DELTA, TOL, Factor, Preset, Auto Off)
- Large display with LED tolerance indicators



**sylvac**

**SWISS PRECISION**



54-530-335-0

Calibration certificates available for all sizes.

Order No.	Range	Accuracy	Resolution	List Price	Sale Price
Low Resolution					
54-530-125-0	0 - 0.500"/12.5mm	0.0004"/0.01mm	0.0005"/0.01mm	\$576.32	<b>\$519.00</b>
54-530-145-0	0 - 1"/25mm	0.0004"/0.01mm	0.0005"/0.01mm	\$657.81	<b>\$593.00</b>
High Resolution					
54-530-135-0	0 - 0.500"/12.5mm	0.00012"/0.003mm	0.00005"/0.001mm	\$713.10	<b>\$614.00</b>
54-530-155-0	0 - 1"/25mm	0.00016"/0.004mm	0.00005"/0.001mm	\$681.61	<b>\$620.00</b>
54-530-175-0	0 - 2"/50mm	0.00019"/0.005mm	0.00005"/0.001mm	\$1,368.02	<b>\$1,232.00</b>
Bluetooth					
54-530-335-0	0 - 0.500"/12.5mm	0.00012"/0.003mm	0.00005"/0.001mm	\$902.32	<b>\$813.00</b>
54-530-355-0	0 - 1"/25mm	0.00016"/0.004mm	0.00005"/0.001mm	\$841.84	<b>\$758.00</b>
Accessories					
54-981-713-2	Sylcom Basic Data Processing Software			\$810.69	<b>\$771.00</b>
54-981-724-5	Sylcom Pro Digital License			\$1,939.95	<b>\$1,843.00</b>
54-115-246-BT	USB Bluetooth Receiver			\$49.45	<b>\$43.00</b>



### INDI-X<sup>®</sup> 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



54-520-285-0

Calibration certificates available for all sizes.

Order No.	Range	Accuracy	List Price	Sale Price
54-520-280-0	0 - 1"/25mm	0.00035"/0.008mm	\$185.80	<b>\$165.00</b>
54-520-285-0	0 - 0.50"/12.5mm	0.00030"/0.007mm	\$179.67	<b>\$159.00</b>



Our most popular electronic indicators.



54-520-255-0

54-520-250-0

54-520-260-0

### Features:

- Accuracy:  $\pm 0.001"/0.03\text{mm}$
- Resolution  $0.0005"/0.01\text{mm}$
- 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

Calibration certificates available for all sizes.

Order No.	Range	List Price	Sale Price
54-520-255-0	0.50"/12.5mm	\$117.77	<b>\$95.00</b>
54-520-250-0	1"/25mm	\$133.36	<b>\$107.00</b>
54-520-260-0	1"/25mm	\$135.38	<b>\$109.00</b>

## Mini S\_Dial Indicators

Small in size BIG in features!

### Features:

- Bluetooth connectivity to your phone or tablet
- IP67 protected against fluid and dust
- All indicators feature 0.50"/12.5mm range
- Analog scale for reversal point indication, Min/Max, multiplication factor (Bluetooth® models only)
- 3/8" mounting diameter with 4-48 contact thread
- 1.7"/43mm dial housing diameter
- Auto power off feature
- Optional cable connectivity output

54-520-687-BT

54-520-692-0



Calibration certificates available for all sizes.

Order No.	Accuracy	Resolution	List Price	Sale Price
<b>Bluetooth Models</b>				
54-520-687-BT	0.0004"/0.01mm	0.0005"/0.01mm	\$592.58	<b>\$534.00</b>
54-520-690-BT	0.0002"/0.005mm	0.00005"/0.001mm	\$860.27	<b>\$775.00</b>
<b>Basic Models (Zero set, preset, in/mm, measuring direction)</b>				
54-520-691-0*	0.0004"/0.01mm	0.0005"/0.01mm	\$498.06	<b>\$449.00</b>
54-520-692-0*	0.0002"/0.005mm	0.00005"/0.001mm	\$687.64	<b>\$619.00</b>
<b>Accessories</b>				
54-981-713-2	Sylcom Basic Data Processing Software		\$810.69	<b>\$771.00</b>
54-115-528-0	USB Power Cable		\$323.34	<b>\$292.00</b>

\*Bluetooth models feature zero, data, preset, direction, min/max/delta, resolution, multiplication factor

Prices & Specifications are subject to change without notice.

## 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	\$205.54	<b>\$125.00</b>
52-520-105-0	0.50"	0.001"	0 - 100	0 - 50 - 0	White	\$105.64	<b>\$72.00</b>
52-520-110-1	1"	0.001"	0 - 100	—	Black	\$100.53	<b>\$76.00</b>
52-520-110-2	1"	0.001"	0 - 100	—	White	\$100.53	<b>\$76.00</b>
52-520-120-0	2"	0.001"	0 - 100	—	White	\$160.28	<b>\$121.00</b>
52-520-125-0	0.250"	0.0005"	0 - 100	—	White	\$147.39	<b>\$100.00</b>
52-520-129-0	1"	0.0005"	0 - 50	0 - 25 - 0	White	\$121.52	<b>\$92.00</b>
52-520-300-0	10mm	0.01mm	0 - 100	0 - 50 - 0	White	\$127.54	<b>\$87.00</b>
52-520-500-0	25mm	0.01mm	0 - 100	0 - 50 - 0	White	\$153.00	<b>\$115.00</b>



3.077"

## Vertical Long Reach Test Indicator

### Features:

- 3.077" extra long contact point
- Graduations: 0.001"
- Jeweled movement
- Automatic reversal
- Dovetails on top and bottom of main body
- Includes fitted case

# VERDICT



Order No. 52-555-022-0

**Sale \$356.00**

List Price \$374.85

## X-PROOF® Water Resistant Indicator Set

For harsh environments.



### 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

### Indicator Features:

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

Order No. 52-585-155-0

**Sale \$75.00**

List Price \$112.84



# 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
- Accuracy: 0.00016"- 0.0004" / 0.003mm - 0.010mm
- 1.7"/43mm dial housing diameter
- Analog scale for reversal point indication
- 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"	\$582.41	<b>\$486.00</b>
54-562-888-BT	0.080"/2.0mm	1-7/16"	\$658.71	<b>\$560.00</b>
54-562-890-BT	0.030"/0.80mm 0.080"/2.0mm	1/2" 1-7/16"	\$820.82	<b>\$698.00</b>
Accessories				
54-981-713-2	Sylcom Basic Data Processing Software		\$810.68	<b>\$771.00</b>
54-115-528-0	USB Power Cable		\$323.33	<b>\$292.00</b>

# 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



52-562-001-0



52-562-002-BD

Order No.	Graduation	Dial Size	Dial Reading	List Price	Sale Price
Horizontal					
52-562-001-0	0.0005"	1-1/2"	0 - 15 - 0	\$143.15	<b>\$122.00</b>
52-562-001-BD	0.0005"	1-1/2"	0 - 15 - 0	\$143.15	<b>\$122.00</b>
52-562-002-BD	0.0005"	1-1/2"	0 - 15 - 0	\$159.05	<b>\$99.00</b>
52-562-003-0	0.001"	1"	0 - 15 - 0	\$163.82	<b>\$140.00</b>
52-562-008-0	0.01mm	38mm	0 - 40 - 0	\$159.41	<b>\$140.00</b>
Vertical					
52-562-004-0	0.0005"	1-1/2"	0 - 15 - 0	\$156.75	<b>\$118.00</b>
52-562-005-0	0.0005"	1"	0 - 15 - 0	\$174.16	<b>\$135.00</b>



## S Depth Gages

Perfect for measuring depths, groove widths, slot widths, recess heights, step heights and through holes.

### Features:

- IP67 protected against fluid and dust
- Bluetooth connectivity to your phone or tablet
- Accuracies: 0.0012" - 0.002"/0.003mm - 0.05mm
- 3 measuring styles available
- 4"/100mm measuring base as standard
- Optional probes available for 54-139-160-0 series
- Extra large display
- Absolute measuring system



Rotary Pin Series  
54-139-162-3



54-139-161-1



54-139-160-5



Contact our Technical Department for optional bases and contacts.

Order No.	Description	List Price	Sale Price
54-139-160-1	8"/200mm Interchangeable Anvil Bluetooth Depth Gage	\$1,349.30	<b>\$1,215.00</b>
54-139-160-3	12"/300mm Interchangeable Anvil Bluetooth Depth Gage	\$1,555.30	<b>\$1,400.00</b>
54-139-160-5	19"/500mm Interchangeable Anvil Bluetooth Depth Gage	\$2,080.60	<b>\$1,873.00</b>
54-139-161-1	8"/200mm Standard Style Bluetooth Depth Gage	\$1,240.00	<b>\$1,150.00</b>
54-139-161-3	12"/300mm Standard Style Bluetooth Depth Gage	\$1,410.00	<b>\$1,269.00</b>
54-139-161-5	19"/500mm Standard Style Bluetooth Depth Gage	\$1,780.00	<b>\$1,651.00</b>
54-139-162-1	8"/200mm Rotary Pin Bluetooth Depth Gage	\$1,340.00	<b>\$1,243.00</b>
54-139-162-3	12"/300mm Rotary Pin Bluetooth Depth Gage	\$1,510.00	<b>\$1,400.00</b>
54-139-162-5	19"/500mm Rotary Pin Bluetooth Depth Gage	\$2,111.50	<b>\$1,901.00</b>

## X-DEPTH 22" 0 - 22" Dial Depth Gage



### 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 \$169.00**

List Price \$224.29

## X-DEPTH 22" 0 - 22" Electronic Depth Gage

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 \$279.00**

List Price \$349.23

# 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 \$108.00**

List Price \$133.84

## 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	\$66.08	<b>\$50.00</b>
52-585-010-0	Magnetic Base wit fine adjustment	\$70.98	<b>\$54.00</b>

## 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 \$201.00**

List Price \$267.42

Shop Tools

**Fowler**

24.3

## Clinotronic-S

The Clinotronic-S is a portable precision instrument for measuring inclinations up to  $\pm 45^\circ$ .

The large, backlit, high contrast color display provides excellent readability even under adverse conditions in the workshop or under a machine.

The Clinotronic-S can be connected to an Android™ device, which can then be used as a remote display. This new feature makes the instrument much more versatile and suitable for many applications. It is built on the success of the Clinotronic PLUS, while retaining the features that made it famous, like its reliability and versatility, plus it adds the latest technology:



### Features:

- Wireless functionality (APP wylerUNIVERSAL for Android™), USB cable as well
- Accuracy:  $\pm 3$  arc minutes at  $45^\circ$
- User friendly
- Adjustable to local gravity
- Improved mechanical accuracy
- Excellent color display with low power consumption



Order No. 54-635-605-0

**Sale \$2,861.00**

List \$3,144.44

## Clinotronic Plus

The Fowler Wyler 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.



### Features:

- Range of  $\pm 45^\circ$ , capacity of 0-360°
- Accuracy:  $\pm 3$  arc minutes at  $45^\circ$
- 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:  $< 0.1^\circ$
- 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

**Sale \$2,550.00**

List \$2,803.05

## 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 \$92.00**

List Price \$108.05

## mini-MAG II

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

### Features:

- On/off, tilt %, light, zero functions
- Display is backlit for low light areas
- Embedded magnets with 3.5lb. pull
- Display automatically inverts
- Measuring range: 360° (4 x 90°)
- Accuracy:  $\pm 0.2^\circ$
- Resolution: 0.05°
- Dimensions: 2.375" x 1.375" x 2.375"
- Hold feature



Order No. 54-422-460-0

**Sale \$107.00**

List Price \$133.60

## Digi Level PLUS+

with smart wireless data



### Features:

- IP65 protected against fluid and dust
- Large auto inverting display
- Includes a 6" straight edge with beveled edge and 1/32nds graduations
- Smart wireless available to connect to phone or tablet
- 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°

Vertical Positioning



Horizontal Positioning



Protected by  
**IP65**  
DUST & FLUID  
RESISTANT



Order No.	Description	List Price	Sale Price
54-422-550-0	Digi-Level PLUS	\$156.88	<b>\$133.00</b>
54-422-550-BT	Digi-Level PLUS with smart wireless	\$177.30	<b>\$151.00</b>

## Combination Squares



52-370-012-0

### Features:

- Blades are chrome plated, fully hardened and tempered
- 4 piece includes: square, protractor and center heads with 12" blade
- 2 piece includes: square head and 12" blade
- Square head has level and scriber point
- Double indexed protractor is graduated 180° in both directions
- Graduated in 8ths, 16ths, 32nds and 64ths

Order No.	Description	List Price	Sale Price
52-370-012-0	4 pc.	\$263.46	<b>\$170.00</b>
52-373-012-0	2 pc.	\$169.55	<b>\$136.00</b>

## Cylindrical Squares



3" Ø

4" Ø

52-750-006-0

52-750-012-0

### Features:

- Used for checking squares, height gages and other instruments
- Hardened and the ends are lapped to 90° angular accuracy
- 6" cylindrical squares: ± 0.0001"
- 12" cylindrical square: ± 0.00015"

Order No.	Description	List Price	Sale Price
52-750-006-0	6"	\$256.44	<b>\$231.00</b>
52-750-012-0	12"	\$366.22	<b>\$330.00</b>

## Metal Etching Pen



A "must" for any tool room and machine shop for general marking purposes, Fowler's metal etching pen is used on copper, copper alloy, stainless steel, hardened steel tools and castings, etc. Use it to initial personal tools. Its low-cost, disposable design offers limitless applications. Overall length is 6-1/4".

Order No. 52-730-005-0

# Sale \$17.75

List Price \$22.18

## Carbide Super Scriber



- Lightweight
- Retractable carbide tip
- Knurled grip
- Machined aluminum body
- Pocket clip

Order No.	Description	Overall Length	List Price	Sale Price
52-500-050-0	Carbide Super Scriber	6.5"	\$37.00	<b>\$34.00</b>
52-500-055-0	Carbide Refill		\$11.76	<b>\$11.00</b>



# Optical Comparator with Accessory Package



The Fowler comparator is economically designed for basic comparative and absolute measurements and includes:

- 10X Lens
- 12" 1 Quadrant protractor screen
- T-slot stage with 6" horizontal travel and 2.5" vertical travel
- 1 pair of t-slot mounted V-blocks
- 1 pair of t-slot mounted centers
- 2 Indi-X Indicators (page 33):

*1"/25mm capacity with 0.0005"/0.01mm resolution*

**Includes:  
T-Slot V-Blocks & T-Slot Centers  
shown**

Order No.	Description	List Price	Sale Price
53-900-100-0	Optical Comparator with Accessory Package	\$3,261.57	<b>\$2,935.00</b>
53-900-000-0	12" Basic Bench Top Optical Comparator without Accessories	\$2,805.72	<b>\$2,520.00</b>
Accessories			
53-900-020-0	20X Lens	\$308.62	<b>\$275.00</b>
53-900-040-0	40X Lens	\$308.62	<b>\$275.00</b>

## 10x Pocket Optical Comparator with 9 reticles

Fowler's 10X Pocket Optical Comparator magnifies images which are sharp, undistorted and free of aberrations. Convenient for checking angles, thread measurements, hole sizes and more. This 10X comparator is widely used by machinists, toolmakers and inspectors in the industry.



### Features:

- Scales are photo-etched into a glass reticle which is placed in actual contact with the measured object, obtaining simultaneous enlarged images of the scale.
- Reticles (protected in individual plastic cases) are easily interchanged by a screw-in mount. Measures radii, diameters, angles, hole sizes, pitch and thicknesses.

Order No. 52-664-009-0

**Sale \$129.00**

List \$154.49

## X-BLOX® V-Block Set

**2 each @:**

- Dimensions: 1-1/2" L x 1-1/4" W x 1-1/4" H
- Work capacity: Approximately 1"

**2 each @:**

- Dimensions: 2" L x 1-1/2" W x 1-1/2" H
- Work capacity: 1-1/2"

**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 \$134.00**

List Price \$144.98

## V-Block Set



**Features:**

- Hardened steel. All sides of V-Blocks precision ground parallel and square within 0.0004"
- Height: 2", Length: 2-3/4", Width: 2"
- Two clamps, with screw hole at 90 degrees for positive clamping of work, are included
- Clamping capacity= 2"/50m
- V-Blocks are constructed with stepped grooves which allow the clamps to be inserted without protrusion, thus allowing V-Blocks to be used on base, ends or sides
- Matched pair of V-Blocks are perfectly aligned with 90 degree V-grooves ground central and parallel to the sides and bases

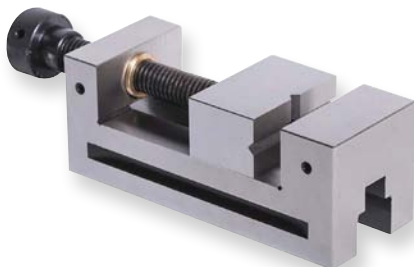
Order No. 52-475-555-0

**Sale \$254.00**

List Price \$317.46

## Toolmaker's Vise

*Toolmaker's Vise makes precision holding possible for inspection, precision jig boring, milling and grinding*



**Features:**

- Maximum opening: 2.48"
- Dimensions: 6.1" x 1.9" x 2.0"
- Features solid base and front jaw construction
- Parallelism and squareness accuracy: 0.0004"
- Clamping slots on the bottom of the base allow for easily affixing to angle plates, vises, etc.

Order No. 52-466-000-1

**Sale \$197.00**

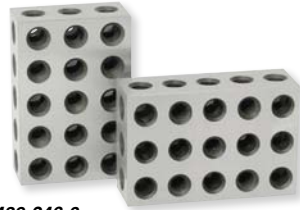
List Price \$245.07

# 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, 3/8" - 16



52-439-246-0

Order No.	Description	Accuracy	List Price	Sale Price
52-439-031-0	1-2-3 Blocks	± 0.0001"/1"	\$46.34	<b>\$38.00</b>
52-439-032-0	1-2-3 Blocks	± 0.0002"/1"	\$96.48	<b>\$80.00</b>
52-439-246-0	2-4-6 Blocks	± 0.0003"/1"	\$176.40	<b>\$142.00</b>

# Parallel Sets

2 thicknesses to choose from!

**Features:**

- 2 each of 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2" & 1-5/8" heights
- Absolute heights are nominal
- Hardness: 50 HRC, 6" length
- 52-437-000-0 paired in height: 0.0001"
- 52-437-031-0 paired in height: 0.0001"



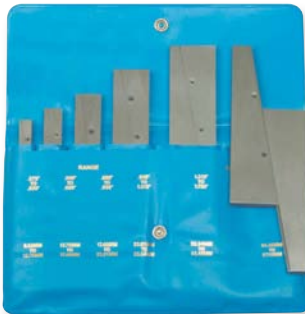
52-437-031-0



52-437-000-0

Order No.	Description	Parallelism	List Price	Sale Price
52-437-000-0	1/8" Parallel Set	± 0.0008"	\$270.99	<b>\$231.00</b>
52-437-031-0	1/32" Parallel Set	± 0.0001"	\$291.81	<b>\$249.00</b>

# Adjustable Parallels - Set of 6



**Features:**

- Sizes: Sizes: 3/8" - 1/2", 1/2" - 11/16", 11/16" - 15/16" and 15/16" - 1-5/16", 1-5/16" - 1-3/4" and 1-3/4" - 2-1/4"
- Each parallel has two dovetailed pieces that slide on each other and lock in position with set screws. Easily adjusted and set up to size with a micrometer. They can be quickly inserted in slots and expanded to size.
- Slot size determined by measuring the parallels externally with a micrometer

**Accuracy (parallelism)**

- 3/8" - 11/16" = 0.0005"
- 11/16" - 1-5/16" = 0.0006"
- 1-5/16" - 2-1/4" = 0.0009"

Order No. 52-437-006-0

**Sale \$175.00** List Price \$186.54

# 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	\$289.56	<b>\$232.00</b>
52-710-030-0	2D Coaxial Set - Metric	\$279.67	<b>\$238.00</b>

## 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	\$45.42	<b>\$41.00</b>
54-575-625-0	0.200"	1/2"	NO	\$141.14	<b>\$128.00</b>
54-575-650-0	0.400"	3/4"	YES	\$163.10	<b>\$147.00</b>

## Edge Finder Set

### Features:

- Accuracy: 0.0002"
- 3/8" x 0.200" Edge Finder
- 1/2" x 0.200" Edge Finder
- 1/2" x 0.200" Combo Edge Finder
- 1/2" x 0.500" Edge Finder



Order No. 52-575-100-0

**Sale \$80.00**

List Price \$86.04

# Z-CHECK 65 PLUS+

## Z-Axis Tool Setter

TOOL-A-THON  
BEST SELLER!  
FOWLER HIGH PRECISION

### 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
- Repeatability: 0.00015"/0.004mm
- Accuracy: 0.0001"/0.003mm
- Includes a rugged, aluminum fitted case



Protected by  
**IP65**  
DUST & FLUID  
RESISTANT



Order No. 54-188-200-0

**Sale \$113.00**

List Price \$125.06

## HIGH Accuracy Z-Axis Detectors



54-188-140-0

*For use in CNC machines and other applications where high accuracy is required!*

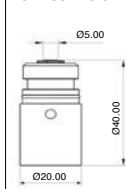


Protected by  
**IP67**  
DUST & FLUID  
RESISTANT

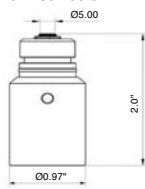
### Features:

- IP67 protected against fluid and dust
- High accuracy and repeatability,  $\pm 0.000039"/0.001\text{mm}$
- Carbide touch surface (0.196"/5mm)
- High precision bearing guide system for long life
- Interchangeable magnetic base
- High visibility LED indicator
- Movement stroke 0.078"/2mm
- Battery life approximately 250 hours (on time)

54-188-140-0



54-188-150-0



Order No.	Model	Dimensions	List Price	Sale Price
54-188-150-0	Inch	Height: 2"/50.8mm, Dia. 0.97"/24.638mm	\$268.63	<b>\$242.00</b>
54-188-140-0	Metric	Height: 1.57"/40mm, Dia. 0.78"/20mm	\$307.43	<b>\$277.00</b>

# QUICK CHECK

## Multi-Function Check Standard



### Check

- ✓ Height Gages
- ✓ Micrometers
- ✓ Depth Gages
- ✓ Bore Gages
- ✓ Test & Dial Indicators
- ✓ Caliper Gages
- ✓ Protractors & more ....

#### Features:

- All sizes marked are actual
- Accuracy of indicated values  $\pm 0.00012''$
- One compact, multi-function, precise standard
- Can be used to check and verify a multitude of measuring instruments
- Supplied with a manufacturer's test certificate and fitted wood case

Order No. 53-813-015-0

**Sale \$1,553.00**

List Price \$1,827.00

## SHOP-BLOX<sup>®</sup>

### Rectangular Gage Block Sets



53-672-081-0

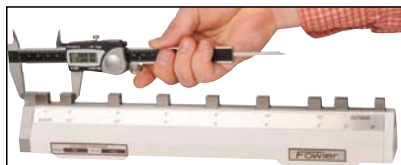
#### Features:

- 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 pc.	\$358.63	<b>\$269.00</b>
53-672-081-0	81 pc.	\$613.39	<b>\$461.00</b>

## Setting Master

Fowler's Setting Master are quick, easy and extremely accurate. Each comes with a manufacturer's certificate of calibration and a wood case. Save time and money by calibrating your own measuring tools.



Caliper not included

#### Caliper/Height Gage Checker Features:

- Horizontal and vertical use
- Used for the calibration of height gages and calipers
- Scale on one side reads: 0.5", 2", 4", 6", 8", 10" and 12" for inside caliper measurements
- Scale on side reads: 1", 2", 4", 6", 8", 10" and 12" for height gage and caliper checking
- Accuracy:  $\pm .0002''$

Order No. 53-813-010-0

**Sale \$1,649.00**

List Price \$1,853.07

# Analog Rockwell Hardness Tester

## Features:

- Standards: EN-ISO 6508 and ASTM-E18
- Resolution: .5 Rockwell unit
- Test loads: 10 kgf preload/60, 100, 150 kgf load
- Rockwell scales: A, B, C, F
- Testing space: Vertical = 6.7"/170mm,  
Horizontal = 6.5"/165mm (from centerline)

## Accessories included:

- Diamond Rockwell indenter
- Rockwell ball indenter 1/16"
- ± 60HRC Hardness test block
- ± 25HRC Hardness test block
- ± 85HRB Hardness test block
- Flat anvil 60mm ø
- Large flat anvil 150mm ø
- V-anvil 40mm ø
- Adjustable feet
- Protective spindle cover



Order No. 53-770-600-0

**Sale \$2,555.00**

List Price \$2,842.57



## 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:

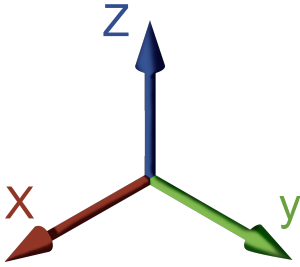
- Small, compact size
- 2 selectable parameters: Ra and Rz
- Large LCD display
- Meets ISO and DIN standards
- NIST traceable specimens included
- Uses 9 volt battery (approx. 3000 measurements)
- Includes fitted case

## 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)	\$2,039.35	<b>\$1,836.00</b>
54-410-600-0	Portable Surface Roughness Tester 0.0002" probe (DIN specifications)	\$2,039.35	<b>\$1,836.00</b>

## X-Pro Portable Roughness Tester II Stand with Swivel

Order No.	Description	List Price	Sale Price
54-400-896-0	Stand with Swivel Attachment	\$491.18	<b>\$443.00</b>



# MEASUREMENT SOLUTIONS, INC.

Measurement Problems - **SOLVED!**



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