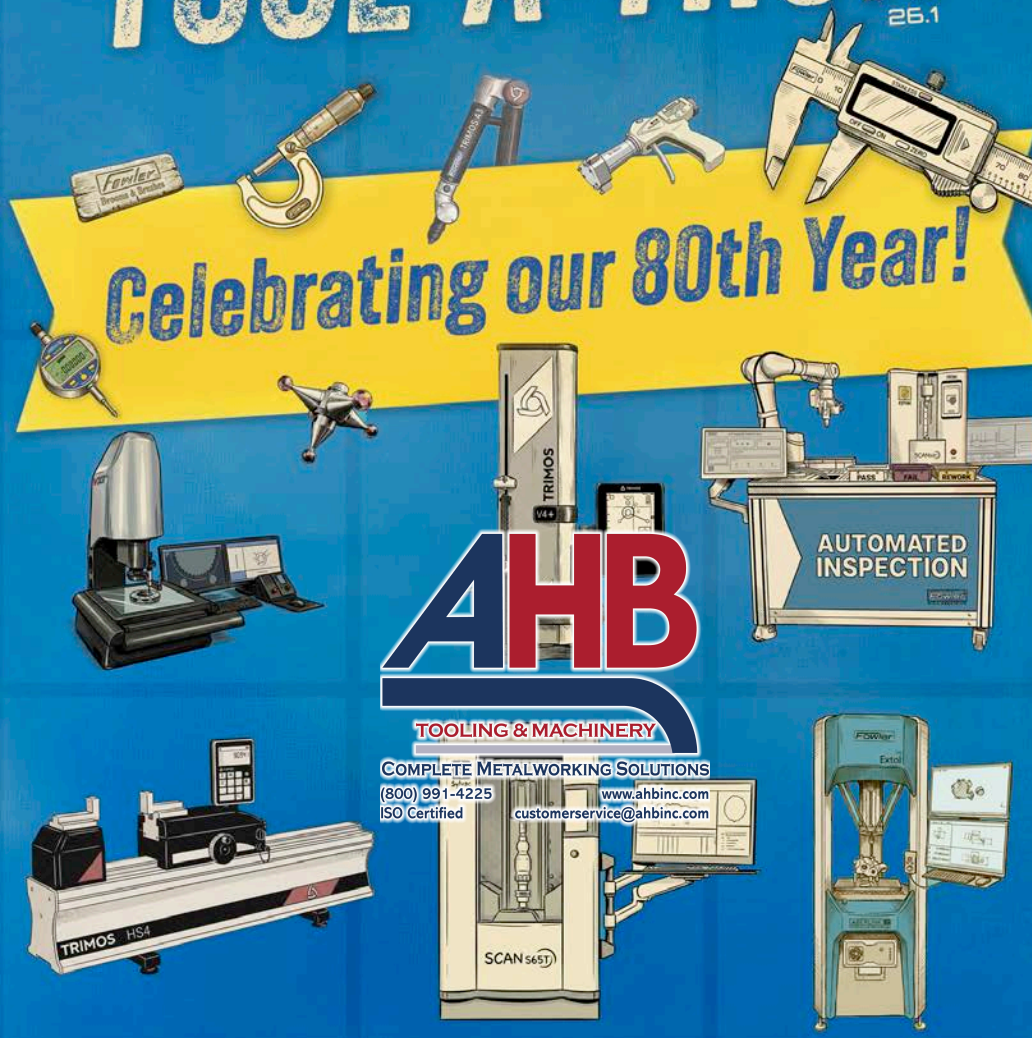
Fowler 1946

TOOL-A-THON 26.1

Celebrating our 80th Year!



AHB
TOOLING & MACHINERY
COMPLETE METALWORKING SOLUTIONS
(800) 991-4225
ISO Certified
www.ahbinc.com
customerservice@ahbinc.com

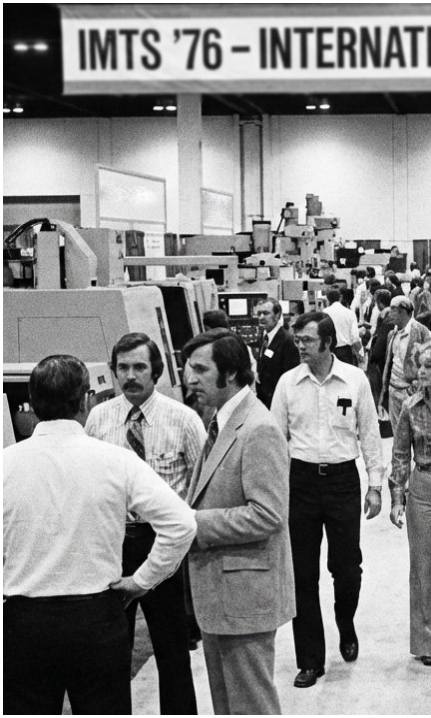
fowlerprecision.com

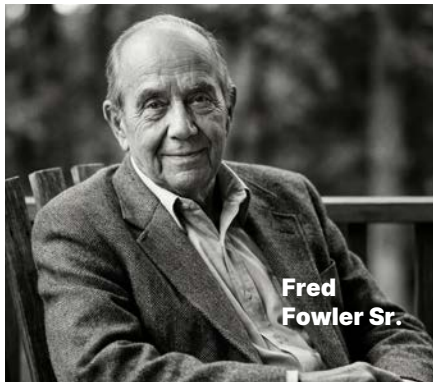
Tool-A-Thon pricing good from March 1, 2026-July 1, 2026

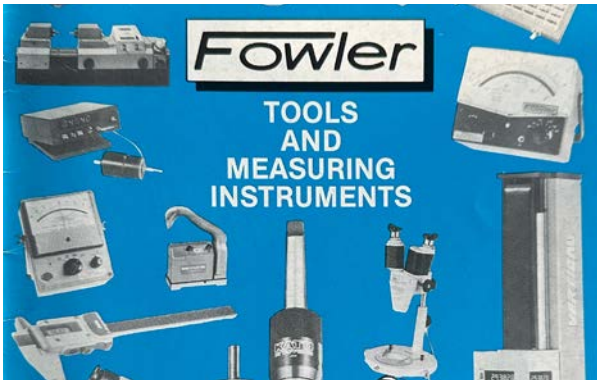
SPRINGFIELD HA
Fowler

Fowler
Brooms & Brushes

TOOLS
Fowler
MACHINE SHOP SUPPLIES
CATALOG 365
CATALOG 1074
CATALOG 1276
CATALOG 180
CATALOG 972


IMTS '76 – INTERNATI


Fred
Fowler Sr.


Fowler
TOOLS
AND
MEASURING
INSTRUMENTS

In 1946, 42-year-old salesman Fred V. Fowler, Sr. stumbled onto something unexpected: local machine shops desperately needed quality brooms and brushes. What started as a humble supply business grew organically as Fred listened to his customers, gradually expanding into inspection tools and shop equipment, building trust one relationship at a time.

IMTS '99

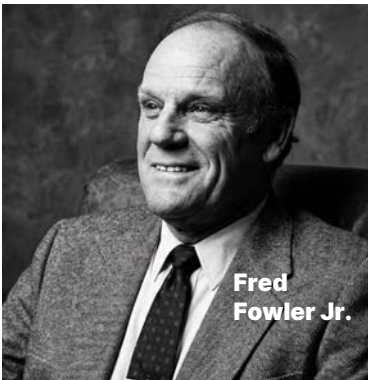
When his son Fred Jr. joined in 1959, he saw the future in precision. Calipers, micrometers, indicators and other shop tools were in high demand as American manufacturing surged after World War II. After buying out his father, Fred Jr. steered the company for over 50 years, transforming that broom business into a respected name in metrology. His father lived to witness it all—passing away in 2005 at 101, having seen his simple supply operation become something far greater.

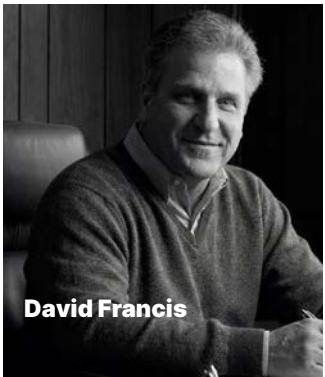
The company's boldest transformation came in 2011, when Fred Jr. asked his daughter Cindy and son-in-law David Francis to take the reins. David didn't just expand the product line—he strategically cultivated relationships with innovative partners worldwide, carefully vetting technologies and building alliances that positioned Fowler at the leading edge of metrology. It was no small feat. Transforming a hand-tool company to include sophisticated precision systems required equal parts technical savvy and relationship-building finesse. Fred Jr. passed in 2012, but not before seeing his vision for the company's future take shape.

When Pfingsten Partners acquired Fowler in 2022, they were investing in nearly 80 years of hard-won expertise, and a company poised to reach new heights in precision manufacturing and quality control.

Only about 1 in 1,000 businesses make it to the 80-year mark. Today, we give thanks to the leaders who built this legacy, and to the customers and partners who've allowed us to stand among the 0.1% of companies that have made it this far.

Fowler remains nimble, responsive, and focused on what customers will need for the next 80 years. When you choose Fowler, you're partnering with a team that brings scrappy, customer-first DNA to every relationship.


Fred Fowler Jr.


David Francis

Cindy Francis

Measur3D Manual CMM

A step up from Height Gages and Hand Tools

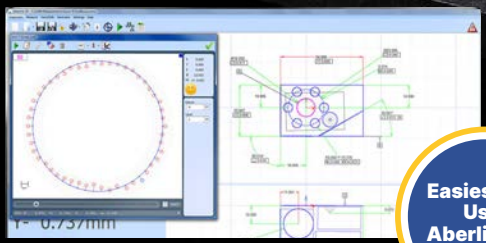
Captures complex geometries for reverse engineering

Perfect for rapid first piece & GD&T inspections on shop floor

ACCURACY
5 µm

X & Y RANGE
280mm/11"

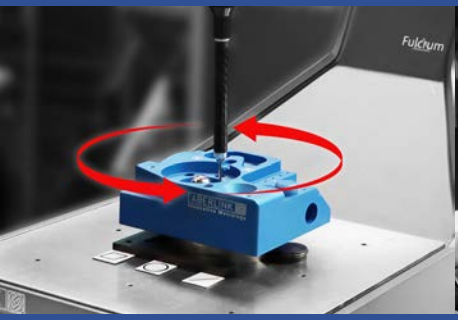
Z RANGE
150mm/5.9"



Easiest-to-Use Aberlink3D Software

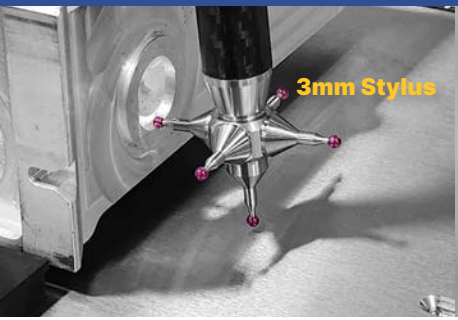
Easy-to-use Aberlink3D software • Made in England

Touch or Scanning Mode ▼



Benchtop Design ▼

Star Styli Included for versatile 3D Measurement in any axis (X-Y-Z) ▼



Models	Measur3D
Measuring volume (not cubic)	
Cylindrical (X)	11"/280mm
Cylindrical (Y)	11"/280mm
Cylindrical (Z)	5.9"/150mm
Dimensions	
Overall Width (X)	13.2"/335mm
Overall Height (Y)	32.7"/830mm
Overall Depth (Z)	28.5"/725mm
Volumetric Accuracy	5.0µm
Scale Resolution	1.15µrad
Optimum Temp. Range	18 - 22°C
Operational Temp. Range	5 - 45°C

Prices & Specifications are subject to change without notice.

Fowler® HIGH PRECISION

Extol

Shop Floor CMM

Moving at speeds up to 750 millimeters per second

Rugged, delta-arm design is automation ready

Compact 28" Footprint

ACCURACY 2.6 µm

X & Y RANGE 370mm/14.5"

Z RANGE 270mm/10.6"

Shop-Floor Ready

Easy-to-use Aberlink3D software • Made in England

Technical Specifications

Models	EXT-370	EXT-520
Measuring range		
Cylindrical (X)	Dia. 14.5"/370mm	Dia. 20.4"/520mm
Cylindrical (Y)	Dia. 14.5"/370mm	Dia. 20.4"/520mm
Cylindrical (Z)	10.6"/270mm	11.8"/300mm
At Centre	14.3"/365mm	15.7"/400mm
Dimensions		
Overall Width (X)	28.1"/715mm	37.4"/950mm
Width Incl. Monitor (X)	39.3"/1000mm	46.4"/1180mm
Overall Depth (Y)	28.7"/730mm	38.9"/990mm
Depth Incl. Monitor (Y)	40.5"/1030mm	51.9"/1320mm
Overall Height (Z)	78.7"/2000mm	86.6"/2200mm
Height to Table (Z)	35.4"/900mm	30.4"/772mm
Total Weight	396 lbs./180kg.	464.2 lbs./211 kg.
Table Load Capacity	440 lbs./200 kg.	
Volumetric Accuracy	(2.6 + 0.4L/100)µm	
Scale Resolution	0.00001"/0.0001mm	
Operational Temp. Range	45°C	
Max. Acceleration Vector	750mm/sec²	
Max. Velocity Vector	500mm/sec	

Prices & Specifications are subject to change without notice.

Fowler HIGH PRECISION

26.1

Systems

Axiom

Manual/CNC CMM

Bridge-style precision with a clear growth path

Teach & Repeat programming for easy and approachable automated inspections with CNC CMMs

Start Manual — **Upgrade to CNC**

Easy-to-use Aberlink3D software • Made in England

Fowler HIGH PRECISION

Technical Specifications

CNC/Manual		Manual 600	Manual 900	Manual 1200
Axis Travel				
	X	25.2"/640mm	25.2"/640mm	25.2"/640mm
	Y	23.6"/600mm	35.4"/900mm	47.2"/1200mm
	Z	19.6"/500mm	19.6"/500mm	19.6"/500mm
Overall Size				
	X	44.4"/1130mm	44.4"/1130mm	44.4"/1130mm
	Y	35.4"/900mm	47.2"/1200mm	59.2"/1500mm
	Z	91.3"/2320mm	91.3"/2320mm	91.3"/2320mm
Volumetric Accuracy				
	TP20	(2.4 + 0.4L/100) µm		
	TP200	(2.3 + 0.4L/100) µm		
	SP25M	(2.1 + 0.4L/100) µm		
Scale Resolution		0.0001mm (0.1µm)	0.0001mm (0.1µm)	0.0001mm (0.1µm)
Optimum Temp. Range		18 - 22°C		
Operational Temp. Range		0 - 45°C		
Air Consumption		50 l/min (1.8 cfm)		
Required Air Pressure		4 bar (60 psi)	4 bar (60 psi)	4 bar (60 psi)
Features				
Solid Granite Table		•	•	•
Honeycomb Aluminum and Granite Table		•	•	
CNC Models				
Speed		20% faster, 15% more accurate		
Max. Velocity Vector		600mm/sec		
Max. Acceleration Vector		600mm/sec ^{2}		

zCAT Portable CMM

Teach & Repeat allows you to teach the zCAT what to do, then hit PLAY to reproduce your measurements. It's that simple.

Portability means you can program it at your engineering desk, bring it to staff & hit play.

360° Rotation means you or a robot can hot-swap parts to be measured.

3D Measurements on Shop Floor

ACCURACY
8 µm

X & Y RANGE
700mm/28"

Z RANGE
250mm/9.8"

Easy-to-use Aberlink3D software • Bluetooth Connectivity • Automation Ready

700mm
Cylindrical Volume

Hot-swap parts during inspection

Technical Specifications

Models	zCAT
Measuring range	
Cylindrical (X)	27.6"/700mm
Cylindrical (Y)	27.6"/700mm
Cylindrical (Z)	9.8"/250mm
Dimensions	
Overall Width (X)	16.5"/420mm
Overall Height (Y)	24.4"/620mm
Overall Depth (Z)	6.8"/172mm
Total Weight	13.6kg./30 lbs
Accuracy	8.0µm
Speed	User controlled to 150 mmps

Teach & Repeat Programming

Horizon

Our most accurate bridge-style CMM

- Innovative, frictionless linear drives for fast, smooth, silent motion
- Wear free parts for greater reliability
- 2204.6 lbs./1000 kg. table capacity

Ideal for Contact Scanning

Auto-changing probes

ACCURACY up to 1.5 µm	**X RANGE** up to 1000mm/39.4"
Y RANGE up to 2000mm/78.7"	**Z RANGE** up to 800mm/31.5"

ControlCAT Metrology Software • Bluetooth Connectivity • Automation Ready

Halo

- Cost-saving Belt Drive System for X-Y-Z Axis movement
- Suitable for the workshop environment
- Solid granite table with high load capacity
- 2204.6 lbs./1,000 kg. table capacity

ACCURACY starting at 1.8 µm

X RANGE up to 1000mm/39.4"

Y RANGE up to 2000mm/78.7"

Z RANGE up to 800mm/31.5"

*See CMM Camera Attachment pg. 9

Azimuth

- Our largest bridge CMM, utilizing a belt drive system
- Up to 13,200 lbs./6,000 kg. table capacity

ACCURACY up to 2.6 µm

X RANGE up to 1200mm/47.2"

Y RANGE up to 3000mm/118.1"

Z RANGE up to 1000mm/39.4"

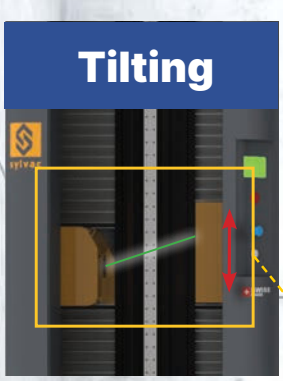
SCAN S25T

Optical Line Scanning System, Perfect for Cylindrical & Threaded Components in a Compact Benchtop Design

Models	S25T
Measuring range	
Diameter	1.02"/26mm
Length	7.87"/200mm
Resolution	
Diameter	0.000001"/0.0001mm
Length	0.000001"/0.0001mm
Accuracy	
Diameter	(0.9 + D[mm]/100) µm
Length	(2.5 + D[mm]/200) µm
Repeatability	
Diameter	0.000016"/0.0004mm
Length	0.000031"/0.0008mm
Holding Capacity	
Diameter	2"/51mm
Length	7.87"/200mm
Maximum Part Weight	4.4 lbs./2 kg.
Machine Weight	132 lbs./60 kg.

SCAN S65T

Tilting Optics: Exclusive Optics for Complete Thread Measuring – Non Algorithmic Thread Measurement



Complete measurement of threads

30° Tilting Optical Scanner

Fowler HIGH PRECISION

SCAN S145 Series

Blazing fast, super precise optical scanner for your Largest Parts

Attach the probe to any model for enhanced measurement and inspection

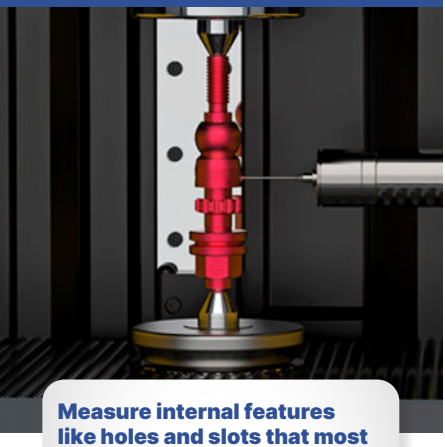
Fastest Inspection of Turned Parts

360° Rotational Axis for Dynamic Measurement

Bluetooth Connectivity • Automation Ready • Swiss-made

Fowler® HIGH PRECISION

Probing



Measure internal features like holes and slots that most optical systems can't reach—all in one setup.

Rotational Axis

Dynamic measurement with rotating axis for maximum thread inspection.

Technical Specifications

Models	S145	S145L	S145XL
Measuring range			
Diameter	5.7"/145mm	5.7"/145mm	5.7"/145mm
Length	24.2"/615mm	50.3"/1280mm (48.4"/1230mm with probe)	70.9"/1800mm (68.9"/1750mm with probe)
Resolution)			
Diameter		0.0001mm	
Length		0.001mm	
Accuracy			
Diameter		(1.5 + D/100 µm)	
Length		(4 + L/200 µm)	
Repeatability			
Diameter		0.5µm	
Length		1.0µm	
Holding Capacity			
Diameter		10"/254mm (7.9"/200mm w/3D probe)	
Length	24.2"/615mm	50.3"/1280mm	70.9"/1800mm
Maximum Part Weight		200 lbs./100 kg.	
Machine Weight	1168 lbs./ 530 kg.	1433 lbs./ 650 kg.	1757 lbs./ 797 kg.
Axial Positioning Speed		Up to 160mm/s (Up to 20mm/s with probe)	
Measuring Volume of Probe*	PX: 615/PY: +60, -40/PZ: +130, -15	PX: 1230/PY: +60, -40/PZ: +130, -15	PX: 1750/PY: +60, -40/PZ: +130, -15

Prices & Specifications are subject to change without notice.

26.1

Systems

Venture XT 3030

Advanced multi-sensor 3D measurement platform delivering optical and tactile capability

Comprehensive GD&T analysis and reporting

4-in-1 Multi-Sensor System

Camera, Touch Probe, Manual Cross Hair & Digital Microscope

Bluetooth Connectivity • Automation Ready

Fowler® HIGH PRECISION

Venture FV

- 3D measurement
- Instant measurements at the push of a button
- CNC rotary indexing allows cylindrical parts to be rotated and measured multiple times per revolution
- Double telecentric optics for high resolution3D measurement
- All have easy-to-use Fowler FUSION software
- Motorized auto focus

100s of dimensions on 100s of parts in seconds

Measure with the press of a button

Optical Comparators

- All feature profile and surface illumination
- Most models with optical edge detection
- Available with up to 24" screen
- Choice of readouts including touch screen powered by Fowler FUSION software
- Made in England

HS Series
Horizontal Setting Benches

Available motorized or non-motorized

Large selection of accessories to handle any job

Models	HS4	HS5	HS6
Measuring range	550mm/20", 1050mm/40", 1550mm/60", 2050mm/80", or 3050mm/120"		
Measuring force	15 N		3 N
Max. Permissible Errors	0.7+L(mm)/1000 µm		
Repeatability	0.5 µm		0.2 µm
Max. Resolution	0.0001mm/0.00001"		
Max. Displacement Speed	1500mm/s		
Operating Temp.	+10 ÷ +40 °C		

THV Horizontal Measuring System

Our Best Selling Horizontal Calibration Bench

Prices & Specifications are subject to change without notice.

Horizontal Calibration

For calibration, measuring, and setting

- Calibrate plugs, rings, threads and much more
- Set ID/OD gages, bar gages, swing gages
- Ranges up to 40"/1000mm
- Meets ISO 9000/2000 standards

*Please note: Calibration benches available up to 118"/3000mm and setting benches available up to 315"/8000mm

Calibration of Plain Rings

Calibration of Threaded Plugs

Models	HC3	HC4	HC5
Measuring range			
300	-	-	13"/350mm
500	20"/550mm	20"/550mm	20"/550mm
1000	40"/1050mm	40"/1050mm	40"/1050mm
1500	60"/1550mm	60"/1550mm	-
2000	80"/2050mm	80"/2050mm	-
3000	120"/3050mm	120"/3050mm	-
Max. Permissible Errors	0.6+L(mm)/ 1200 µm	0.3+L(mm)/ 2000 µm	0.15+L/2000 µm* *Note: 0.1+L/ 2000 µm for 300
Repeatability	0.1 µm		0.05 µm
Max. Resolution	0.0001mm	0.00001mm	
Max. Displacement Speed	4000mm/s		
Operating Temp.	+10 ÷ +40 °C		
Relative humidity	20 ÷ 80%		

Height Gages

Models	Hi_CAL 150	Hi_CAL 300	Hi_CAL 450	V1	V1+
Measuring range					
150mm/6"	•				
300mm/12"		•		•	•
400mm/16"					
450mm/17.5"			•		
611mm/24"				•	•
700mm/28"					
1100mm/43"					
1800mm/71"					
add 312mm/12" of application range w/ 2nd probe holder					
Precision	2.0 + L/200 µm	2.0 + L/200 µm	2.0 + L/200 µm	1-3µm	1.5-2.5µm
Repeatability	2 µm	2 µm	2 µm	0.01mm	0.005mm
Max Resolution mm	0.001mm	0.001mm	0.001mm	0.01mm	0.001mm
"Black Mask" Display (1D)					
Touch Color Display (2D)					
Min/Max/Delta					
Avg, Difference					
Heights, Diameters, Centerline distance	•	•	•		•
SmartReverse (Smart diameter measurement)					
Perpendicularity w/ lever indicator					
Perpendicularity w/ electronic probe					
Angles & Cones					
Temperature Compensation					
Works on battery				•	•
Manual Movement					
Motorized Movement	•	•	•		
Air Cushion					
Fine Adjustment	•	•	•		
Long Probes (400mm)					
9 References					
2D Mode					
Tolerances					
Calculation Function					
Programs					
Statistics					
Wireless Data Transfer (option)	•	•	•		
USB & RS232 Interface	•	•	•		

Fowler® HIGH PRECISION

V3	V4	V4+	V5	V6	V7	V8	V9
•	•	•	•	•	•	•	•
•	•	•	•	•	•		
			•	•	•	•	•
					•		
	•	•	•	•	•	•	•
7-8µm	4.5-6µm	2.5µm + L(mm)/250	2.5 + L(mm) /300	2 + L(mm) /400	2 + L(mm) /400	1.2 + L(mm) /1000	1.2 + L(mm) /1000
2 µm (Ø:4 µm) 0.001mm	1 µm (Ø:2 µm) 0.001mm	2 µm (Ø:3 µm) 0.001mm	1 µm (Ø:2 µm) 0.005mm	1 µm (Ø:2 µm) 0.0001mm	1 µm (Ø:2 µm) 0.0001mm	0.4 µm (Ø: 1 µm) 0.0001mm	0.4 µm (Ø: 1 µm) 0.0001mm
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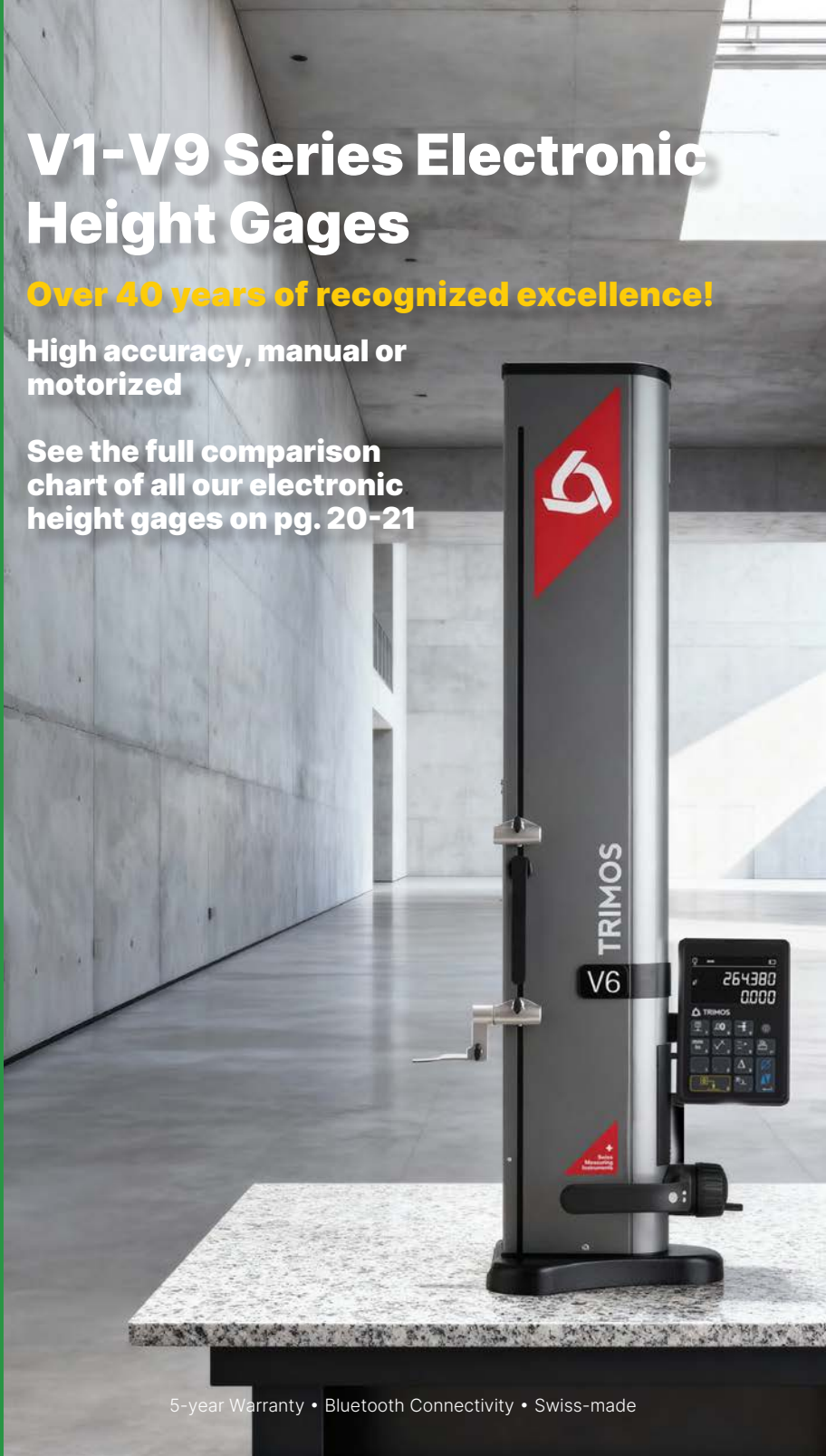
V1-V9 Series Electronic Height Gages

Over 40 years of recognized excellence!

High accuracy, manual or motorized

See the full comparison chart of all our electronic height gages on pg. 20-21



5-year Warranty • Bluetooth Connectivity • Swiss-made

Fowler® HIGH PRECISION

Certify Any Height Gage Below For Only $299.00

Valid only for Tool-A-Thon 26.1

54-192-340-0

54-199-570-0

54-199-770-0

Order No.	Measuring Range	Range with Probe Inverted	List Price	Sale Price
V3				
54-192-340-0	16"/407mm	20"/508mm	$7,596.00	$7,217.00
54-192-370-0	28"/711mm	31.9"/812mm	$8,515.00	$8,091.00
V4				
54-191-440-0	16"/407mm	28.3"/719mm	$9,469.00	$8,996.00
54-191-470-0	28"/711mm	40.2"/1023mm	$11,069.00	$10,517.00
V4+				
54-191-440-2D	16"/407mm	28.3"/719mm	$12,443.00	$11,822.00
54-191-470-2D	28"/711mm	40.2"/1023mm	$13,483.00	$12,810.00
V5				
54-199-540-0	16"/407mm	28.3"/719mm	$9,916.00	$9,421.00
54-199-570-0	28"/711mm	40.2"/1023mm	$11,516.00	$10,941.00
54-199-590-0	43.7"/1110mm	56"/1422mm	$17,820.00	$16,930.00
V7				
54-199-740-0	16"/407mm	28.3"/719mm	$15,926.00	$15,130.00
54-199-770-0	28"/711mm	40"/1023mm	$17,013.00	$16,163.00
Probe Sets				
54-199-105-0	4mm Probe Set, 21 piece		$2,561.00	$2,433.00
54-199-106-0	8mm Probe Set, 16 piece		$2,073.00	$1,970.00
54-199-107-0	8mm Basic Probe Set, 7 piece		$751.00	$714.00
Accessories				
54-199-400-0	Ø8mm Ceramic Probe Holder L=400mm		$1,555.00	$1,478.00

Prices & Specifications are subject to change without notice.

Fowler HIGH PRECISION

Fowler Sylvac Hi_Cal V2 Electronic Height Gages

For your finer, more delicate parts.

Features:

- Bluetooth for quick, easily 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

54-931-300-BT

54-931-450-BT

All models Include:

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

54-930-217-0

sylvac

Automation READY!

SWISS MADE

Order No.	Range	Accuracy	List Price	Sale Price
54-931-150-BT	6"/150mm	0.00013"/0.0034mm	$7,172.00	$6,815.00
54-931-150-BT-C	6"/150mm with ISO/A2LA Certification		$7,380.00	$7,011.00
54-931-300-BT	12"/300mm	0.00016"/0.0042mm	$7,865.00	$7,472.00
54-931-300-BT-C	12"/300mm with ISO/A2LA Certification		$8,106.00	$7,701.00
54-931-450-BT	17.5"/450mm	0.00020"/0.005mm	$8,928.00	$8,483.00
54-931-450-BT-C	17.5"/450mm with ISO/A2LA Certification		$9,074.00	$8,621.00
Accessories				
54-930-217-0	Standard Probe Accessory Kit, 5 Piece		$1,268.00	$1,205.00
54-930-215-0	Full Probe Accessory Kit, 15 Piece		$3,477.00	$3,304.00

Prices & Specifications are subject to change without notice.

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 (scriber included)
- V1+ features bi-directional measuring force hand-wheel for measuring bores, centerlines, heights, MIN/MAX/TIR
- Supplied with 0.236"/6mm ball probe
- Granite base units available as special order

54-180-524-5

TRIMOS | SWISS MADE

Order No.	Description	Range	Resolution	List Price	Sale Price
54-180-424-0	V1	24"/611mm	0.001"/0.01mm	$4,393.00	$4,174.00
54-180-512-0	V1+	12"/300mm	0.0001"/0.001mm	$4,686.00	$4,452.00
54-180-512-5	V1+ with granite base	12"/300mm	0.0001"/0.001mm	$5,418.00	$5,148.00
54-180-524-0	V1+	24"/611mm	0.0001"/0.001mm	$5,857.00	$5,565.00
54-180-524-5	V1+ with granite base	24"/611mm	0.0001"/0.001mm	$6,589.00	$6,260.00

Z-HEIGHT Height Gage

With handwheel and fine adjust.

Features:

- 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.

Z-HEIGHT ABS PLUS+ Height Gage

Features:

- True ABS measuring system
- Supplied with a NIST certified test block (1" x 2" x 3")
- Large handwheel for both coarse and fine adjustments
- Carbide scriber
- Positive locking lever for scribing

Calibration certificate available.

Order No.	Range	Accuracy	Resolution	List Price	Sale Price
54-175-012-0	0-12"/300mm	± 0.0015"/0.04mm	0.0005"/0.01mm	$882.00	$794.00
54-175-018-0	0-18"/500mm	± 0.002"/0.05mm	0.0005"/0.01mm	$864.00	$779.00
54-175-012-1	0-12"/300mm	± 0.0015"/0.04mm	0.0005"/0.01mm	$864.00	$778.00

Fowler Bowers Bluetooth

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

2" - 4" Set

54-567-100-BT

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

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
54-567-010-BT	0.250" - 0.375"/6 - 10mm	2 heads, 1 handle, 1 ring	$3,034.00	$2,731.00
54-567-020-BT	0.375" - 0.750"/10 - 20mm	3 heads, 1 handle, 2 rings	$3,550.00	$3,195.00
54-567-050-BT	0.750" - 2"/20 - 50mm	3 heads, 1 handle, 2 rings	$4,583.00	$4,125.00
54-567-100-BT	2" - 4"/50 - 100mm	3 heads, 1 handle, 2 rings	$5,101.00	$4,591.00
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
54-567-200-BT	4" - 8"/100 - 200mm	4 heads, 1 handle, 2 rings	$9,575.00	$8,618.00
54-567-210-BT	0.750" - 4"/20 - 100mm	6 heads, 1 handle, 4 rings	$6,618.00	$5,957.00
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		$251.00	$226.00
54-115-527-0	Proximity cable with serial connection	24"/611mm	$294.00	$266.00
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
54-336-304-0	6"/150mm	0.740"	0.750" - 2"/20 - 50mm	$296.00	$267.00
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

Prices & Specifications are subject to change without notice.

Bore Gaging Systems

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

XTD3 Bluetooth Electronic Holemikes

3/8" - 3/4" Set

54-367-020-BT

2 Point Spherical

2 and 3 Point Grooves

3 Point Spherical

Ball Screw Threads

2 and 3 Point Screw Threads

Ball Race Measurement

Internal Spline

Slot Width

Order No.	Range	Includes	List Price	Sale Price
Holemike Complete Sets (Traditional style)				
54-367-000-BT	0.080" - 0.250"/2 - 6mm (2 pt.)	5 heads, 1 handle, 3 rings	$6,252.00	$5,627.00
54-367-010-BT	0.250" - 0.375"/6- 10mm	2 heads, 1 handle, 1 ring	$2,938.00	$2,645.00
54-367-020-BT	0.375" - 0.750"/10 - 20mm	3 heads, 1 handle, 2 rings	$3,506.00	$3,156.00
54-367-050-BT	0.750" - 2"/20 - 50mm	3 heads, 1 handle, 2 rings	$4,759.00	$4,284.00
54-367-100-BT	2" - 4"/50 - 100mm	3 heads, 1 handle, 2 rings	$5,272.00	$4,745.00
54-367-105-BT	4" - 6"/100 - 150mm	2 heads, 1 handle, 1 ring	$4,200.00	$3,780.00
54-367-110-BT	6" - 8"/150 - 200mm	2 heads, 1 handle, 1 ring	$5,539.00	$4,986.00
54-367-200-BT	4" - 8"/100 - 200mm	4 heads, 1 handle, 2 rings	$9,166.00	$8,250.00
Connectivity Cables/Accessory				
54-115-526-0	Proximity cable with USB connection		$251.00	$226.00
54-115-527-0	Proximity cable with serial connection	24"/611mm	$294.00	$266.00
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
54-336-304-0	6"/150mm	0.740"	0.750" - 2"/20 - 50mm	$296.00	$267.00
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

Prices & Specifications are subject to change without notice.

XT-Series Holemikes

Vernier Bore Micrometers

52-255-316-0

52-255-312-0

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	Measuring Accuracy	Measuring Depth	Ring Included	List Price	Sale Price
52-255-310-0	0.250" - 0.312"	0.00025"	0.00015"	2.28"	0.312"	$912.00	$821.00
52-255-311-0	0.312" - 0.375"	0.00025"	0.00015"	2.28"	0.312"	$845.00	$761.00
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"	$877.00	$790.00
52-255-314-0	0.625" - 0.750"	0.00025"	0.00015"	2.44"	0.75"	$926.00	$835.00
52-255-315-0	0.750" - 1"	0.00025"	0.00015"	2.60"	0.75"	$952.00	$857.00
52-255-316-0	1" - 1.375"	0.00025"	0.00015"	2.60"	1.375"	$1,356.00	$1,221.00
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
52-255-320-0	3.250" - 4"	0.00025"	0.0002"	3.94"	3.25"	$2,084.00	$1,876.00
52-255-321-0	4" - 5"	0.00025"	0.00025"	4.53"	5"	$2,173.00	$1,956.00
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	$2,346.00	$2,113.00
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	$3,560.00	$3,205.00
52-255-900-0	6" - 8"	2 heads, 2 handles, 1 ring	$5,410.00	$4,869.00

XTENDER-E PLUS+

Bore Gage Set

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.

- **Fitted with a Sylvac Lifetime Warranty electronic indicator (54-530-535-0)**
- Range: 1.4 - 6"
- Analog scale for reversal point detection
- IP54 rated indicator
- Carbide tipped anvils
- Min/Max/TIR readings
- Supplied in a fitted case

Check out the Bore Gage Setting Master Kits on pg. 59

Order No.	Range	Resolution	Indicator Accuracy	List Price	Sale Price
54-646-535-0	1.4 - 6"/35 - 150mm	0.00005"/0.001mm	0.00012"/0.003mm	$949.00	$855.00

Prices & Specifications are subject to change without notice.

Internal & External Electronic Caliper Gages

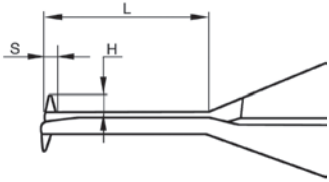
For grooves and recesses

54-554-611-0

54-554-711-0

Features:

- Accuracy: ± 0.0008"/± 0.02mm
- Resolution: 0.0002"/0.005mm
- 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
Internal Caliper Gages			
54-554-611-0	0.200" - 0.590"/5 - 15mm	$220.00	$199.00
54-554-622-0	0.200" - 1"/5 - 25mm	$315.00	$284.00
54-554-623-0	0.400" - 1.2"/10 - 30mm	$281.00	$253.00
54-554-624-0	0.790" - 1.6"/20 - 40mm	$309.00	$279.00
54-554-625-0	1.2" - 2"/30 - 50mm	$296.00	$267.00
External Caliper Gages			
54-554-711-0	0 - 0.400"/0 - 10mm	$231.00	$208.00
54-554-722-0	0 - 0.790"/0 - 20mm	$252.00	$227.00
54-554-723-0	0.4" - 1.2"/10 - 30mm	$309.00	$279.00
54-554-724-0	0.790" - 1.6"/20 - 40mm	$402.00	$362.00
54-554-725-0	1.2" - 2"/30 - 50mm	$270.00	$243.00

Dial Cylinder Bore Gages

2-point bore measuring

54-646-401-0

Features:

- Carbide Anvils
- Easy-to-read
- Great value
- Graduation: 0.00005"/0.001mm
- Accuracy: 0.0006"/0.015mm
- Insulated grip
- 9.5" depth above 1.5"
- Chrome plated handle
- 1.4" - 6" model available with an electronic indicator

52-646-400-0

Order No.	Range	Graduation	Accuracy	List Price	Sale Price
54-646-401-0	1.4 - 6"/35 - 150mm	0.001mm	0.015mm	$378.00	$322.00
52-646-100-0	0.7" - 1.5"	0.0005"	0.0009"	$178.00	$152.00
52-646-220-0	35 - 160mm	0.01mm	0.02mm	$322.00	$274.00
52-646-300-0	2" - 6"	0.0005"	0.0009"	$167.00	$142.00
52-646-400-0	1.4" - 6"	0.0005"	0.0009"	$228.00	$195.00
52-646-500-0	1.4" - 6"	0.0001"	0.0005"	$329.00	$280.00

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

Fowler LIFETIME WARRANTY

sylvac

Protected to: IP67 COOLANT & FLUID RESISTANT

SWISS PRECISION

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	$3,500.00	$3,326.00
54-110-524-0	0 - 24"/0 - 600mm	0.0016"/40 µm	$4,000.00	$3,801.00
54-110-540-0	0 - 40"/0- 1000mm	0.002"/50 µm	$4,700.00	$4,466.00

Connectivity Cables/Accessories

54-981-724-5	Sylcom Pro (digital license)	$2,585.00	$2,457.00
54-981-713-2	Sylcom Standard (dongle license)	$1,102.00	$1,047.00
54-115-526-0	Proximity cable with USB Connection	$251.00	$226.00
54-115-527-0	Proximity cable with Serial Connection	$294.00	$266.00
54-115-246-BT	USB Bluetooth Receiver	$58.00	$53.00

Prices & Specifications are subject to change without notice.

The Top 6 Reasons

This is the best caliper value on the market

54-100-167-0

1. Worry-free **lifetime warranty**
2. Fully integrated bluetooth, no additional equipment needed
3. IP67 for harsh & hard-working environments
4. Competitively priced versus other major brands
5. Operator friendly data collection software
6. Swiss precision & quality

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

54-100-444-1

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	$540.00	$514.00
54-100-168-0	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	$670.00	$637.00
54-100-169-0	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	$860.00	$818.00
Proximity Cable Communication					
54-100-444-1	6"/150mm	0.0008"/20µm	0.0005"/0.01mm	$250.00	$238.00
54-100-448-1	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	$350.00	$333.00
54-100-412-1	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	$500.00	$476.00
Without Data Output					
54-100-177-0	6"/150mm	0.0008"/20µm	0.0005"/0.01mm	$230.00	$219.00
54-100-178-0	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	$509.00	$484.00
54-100-179-0	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	$587.00	$558.00
Connectivity Cables/Accessories					
54-981-724-5	Sylcom Pro (digital license)			$2,585.00	$2,457.00
54-981-713-2	Sylcom Standard (dongle license)			$1,102.00	$1,047.00
54-115-526-0	Proximity cable with USB Connection			$251.00	$226.00
54-115-527-0	Proximity cable with Serial Connection			$294.00	$266.00
54-115-246-BT	USB Bluetooth Receiver			$58.00	$53.00

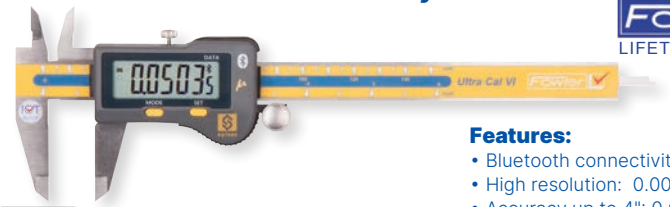
Prices & Specifications are subject to change without notice.

Fowler HIGH PRECISION

Micron 0.00005" Electronic Caliper

HIGH Resolution and HIGH Accuracy

Fowler LIFETIME WARRANTY



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	$542.00
Accessory			
54-115-246-BT	USB Bluetooth Receiver	$58.00	$53.00

IP67 Electronic Calipers

Smart Wireless Communication to most phones or tablets

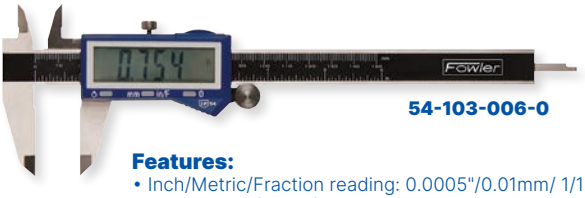
54-100-556-BT

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	$315.00	$284.00

XTRA-VALUE Plus Electronic Calipers

IP54 protected with inch/metric/fractions



54-103-006-0

Features:
- 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	$97.00	$88.00
54-103-012-0	0 - 12"/300mm	0.0015"/0.04mm	$196.00	$178.00

Prices & Specifications are subject to change without notice.

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
- 6" and 12" regular display models include NIST Cert.

Order No.	Range	Display	Accuracy	List Price	Sale Price
54-101-150-2	0 - 6"/150mm	Regular Display	0.001"/0.02mm	$70.00	$63.00
54-101-600-1	0 - 6"/150mm	Large Display with Hold feature	0.0015"/0.04mm	$80.00	$72.00
54-101-200-1	8"/200mm	Regular Display	0.0015"/0.04mm	$120.00	$108.00
54-101-300-1	12"/300mm	Regular Display	0.0015"/0.04mm	$200.00	$180.00
54-101-900-1	12"/300mm	Large Display with Hold feature	0.0015"/0.04mm	$184.00	$166.00

Internal and External Calipers

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

Sale $59.00

List Price $65.00

Features

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

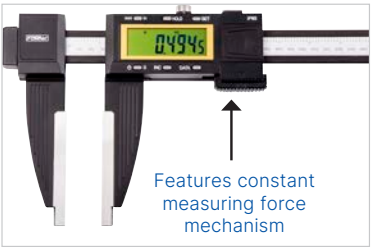
Order No.	Description	Range	List Price	Sale Price
54-554-630-0	Outside Caliper Gage	0 - 6"/0 - 105mm	$66.00	$60.00
54-554-730-0	Inside Caliper Gage	0.5" - 6"/12.7 - 150mm	$66.00	$60.00

Prices & Specifications are subject to change without notice.

Fowler HIGH PRECISION

XTRA-RANGE® Carbon Fiber Electronic Calipers

54-100-140-0



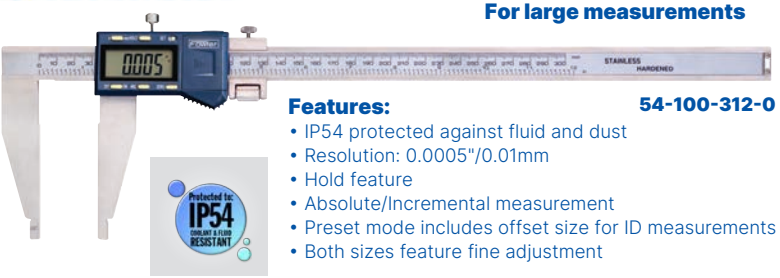
Features:

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

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	$1,316.00
54-100-160-0	0 - 60"/1500mm	0.0055"/0.13mm	5.9"/150mm	3.45 lbs	$2,195.00	$1,866.00

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"	$315.00	$285.00
54-100-024-1	0 - 24"/600mm	± 0.003"/0.075mm	4"	$515.00	$465.00
54-100-042-1	0 - 40"/1000mm	± 0.004"/0.1mm	4.9"	$1,271.00	$1,144.00

XTRA-RANGE® Dial Calipers

With full length depth rod

52-008-024-0

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

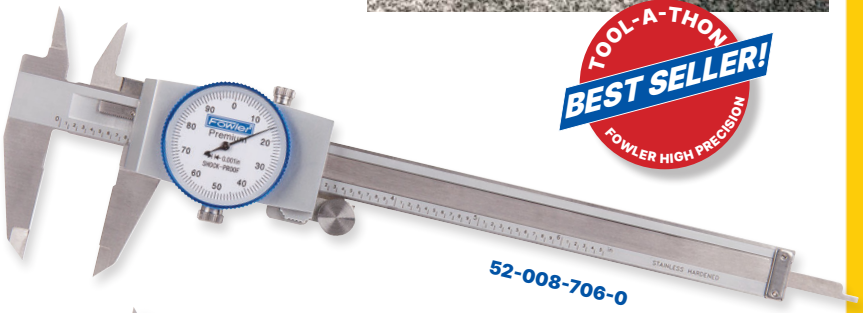
Order No.	Range	Accuracy	List Price	Sale Price
52-008-018-0	0 - 18"	± 0.003"	$268.00	$242.00
52-008-024-0	0 - 24"	± 0.003"	$383.00	$345.00

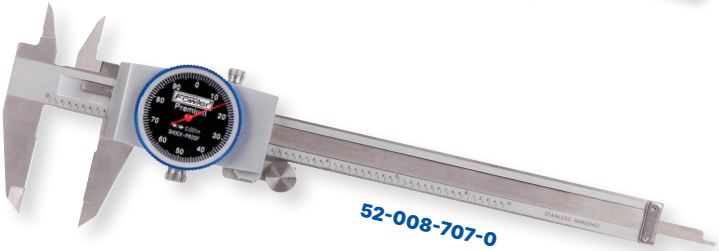
Prices & Specifications are subject to change without notice.

Premium Grade Dial Calipers

With mono-block housing for added protection.

The mono-block housing design of this Premium Dial Caliper aides in preventing debris from entering the gearing mechanism. The covered rack aides 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
- Heavy duty frame, 1.41"/3.6mm thickness
- 0.100" range per revolution
- 0.001" reading dial, 0.100" range per revolution

Order No.	Range	Dial Color	Accuracy	List Price	Sale Price
52-008-704-1	0 - 4"	White	± 0.001"	$105.00	$79.00
52-008-714-1	0 - 4"	Black	± 0.001"	$105.00	$79.00
52-008-706-0	0 - 6"	White	± 0.001"	$96.00	$87.00
52-008-707-0	0 - 6"	Black	± 0.001"	$95.00	$86.00
52-008-708-0	0 - 8"	White	± 0.0015"	$145.00	$131.00
52-008-712-0	0 - 12"	White	± 0.002"	$212.00	$192.00
Metric					
52-008-709-0	0 - 150mm	Yellow	± 0.02mm	$123.00	$111.00

Prices & Specifications are subject to change without notice.

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
52-240-001-1	0 - 1"	± 0.00016"	Friction	$57.00	$52.00
52-240-101-1	0 - 1"	± 0.00016"	Ratchet	$54.00	$49.00
52-240-002-1	1" - 2"	± 0.00016"	Friction	$81.00	$73.00
52-240-102-1	1" - 2"	± 0.00016"	Ratchet	$69.00	$63.00
52-240-003-1	2" - 3"	± 0.0002"	Ratchet	$65.00	$59.00
52-240-004-1	3" -4"	± 0.0002"	Ratchet	$71.00	$64.00
52-240-005-1	4" - 5"	± 0.00024"	Ratchet	$93.00	$84.00
52-240-006-1	5" - 6"	± 0.00024"	Ratchet	$98.00	$89.00
52-240-007-1	6" - 7"	± 0.00028"	Ratchet	$122.00	$110.00
52-240-008-1	7" - 8"	± 0.00028"	Ratchet	$164.00	$148.00
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
52-240-011-1	10" - 11"	± 0.00036"	Ratchet	$221.00	$199.00
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			$184.00	$166.00
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			$426.00	$384.00
52-215-012-1	0 - 12" with standards and fitted case			$1,337.00	$1,204.00
52-215-612-1	6 - 12" Outside Inch Micrometer Set			$1,342.00	$1,141.00

Prices & Specifications are subject to change without notice.

Outside Vernier Micrometers

0.001" readings

52-253-001-1

TOOL-A-THON BEST SELLER! FOWLER HIGH PRECISION

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	$57.00	$49.00
52-253-101-1	0 - 1"	± 0.001"	Ratchet	$76.00	$65.00
52-253-002-1	1" - 2"	± 0.001"	Friction	$62.00	$53.00
52-253-102-1	1" - 2"	± 0.001"	Ratchet	$57.00	$50.00
52-253-003-1	2" - 3"	± 0.001"	Ratchet	$93.00	$80.00
52-253-004-1	3" - 4"	± 0.001"	Ratchet	$73.00	$63.00
52-253-005-1	4" - 5"	± 0.001"	Ratchet	$81.00	$69.00
52-253-006-1	5" - 6"	± 0.001"	Ratchet	$94.00	$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
- Includes case

Order No.	Range	Accuracy	List Price	Sale Price
52-224-001-1	0 - 1"	0.00016"	$154.00	$131.00
52-224-002-1	1" - 2"	0.00016"	$199.00	$170.00
52-224-003-1	2" - 3"	0.0002"	$227.00	$193.00
52-224-004-1	3" - 4"	0.0002"	$219.00	$187.00
Set				
52-224-103-0	0 - 3" set (set finished in grey enamel)		$459.00	$391.00
52-224-104-0	0 - 4" set (set finished in grey enamel)		$847.00	$720.00
52-224-220-0	0 - 75mm set (set finished in grey enamel)		$537.00	$457.00

RAPID-MIC

Quick-Displacement Electronic Micrometers

Fastest micrometer on the market!

54-815-030-0

54-815-111-0

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	$850.00	$809.00
Set				
54-815-111-0	0 - 4"/0 - 102mm		$4,200.00	$3,991.00
Bluetooth Models				
54-815-130-0	0 - 1.18"/0 - 30mm	0.00012"/0.003mm	$1,200.00	$1,141.00
Bluetooth Set				
54-815-112-0	0 - 4"/0 - 102mm	0.00020"/0.005mm	$5,300.00	$5,036.00
Connectivity Cables/Accessories				
54-981-724-5	Sylcom Pro (digital license)		$2,585.00	$2,457.00
54-981-713-2	Sylcom Standard (dongle license)		$1,102.00	$1,047.00
54-115-526-0	Proximity cable with USB Connection		$251.00	$226.00
54-115-527-0	Proximity cable with Serial Connection		$294.00	$266.00
54-115-246-BT	USB Bluetooth Receiver		$58.00	$53.00

Prices & Specifications are subject to change without notice.

Electronic Coolant Resistant Micrometers

For basic outside measurements with higher protection.

54-860-001-0

Features:
- Protected to IP54 specifications
- Large LCD Display
- Accuracy: .00016"
- Automatic switch off
- Resolution: .00005"/.001mm
- Direct RS-232 output
- Carbide measuring faces
- Absolute & incremental modes
- Sizes over 1"/25mm include standard

Protected to: IP54 COOLANT & FLUID RESISTANT

Order No.	Range	Accuracy	List Price	Sale Price
54-860-001-1	0 - 1"/0 - 25mm	± 0.00016"/0.004mm	$197.00	$178.00
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 standard

Protected to: IP40 DUST RESISTANT

Order No.	Range	Accuracy	List Price	Sale Price
54-870-001-0	0 - 1"/0 - 25mm	± 0.00016"/0.004mm	$106.00	$96.00
54-870-002-0	1" - 2"/25 - 50mm	± 0.00016"/0.004mm	$141.00	$128.00
54-870-003-0	2" - 3"/50 - 75mm	± 0.0002"/0.005mm	$172.00	$155.00

Electronic IP54 Blade Micrometers

54-860-275-0

Sale $277.00

List Price $307.00

Features:

- IP54 protected against fluid and dust
- Each gage includes appropriate setting ring for exceptional accuracy
- Resolution: 0.00005"/0.001mm
- Friction thimble
- Includes fitted case

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"
- Sizes over 1" include a standard

Order No.	Range	Graduation	Accuracy	List Price	Sale Price
52-246-001-1	0 - 1"	0.0001"	0.0001"	$304.00	$274.00
52-246-002-1	1" - 2"	0.0001"	0.00016"	$318.00	$288.00

Prices & Specifications are subject to change without notice.

Electronic IP54 Disc Micrometers

For accurate pitch diameter measurements.

54-860-301-0

Protected to: IP54 COOLANT & FLUID RESISTANT

Features:
- Water Resistant to IP54 specifications
- True inch/metric conversion
- Friction thimble
- Large easy-to-read LCD display
- Extra large .788" disc with .035" edge thickness
- Easily enters hard-to-reach areas
- Includes case

Order No.	Range	Resolution	Accuracy	List Price	Sale Price
54-860-301-0	0-1"/0-25mm	0.00005"/.001mm	± 0.00016"	$338.00	$305.00

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 $259.00

List Price $287.00

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
- Rod diameter: 0.176"

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

Order No. 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
52-225-112-0	0 - 6"	0.001"	0.0002"	2.5"	$256.00	$231.00
52-225-114-0	0 - 4"	0.001"	0.0002"	4"	$213.00	$193.00
52-225-116-0	0 - 6"	0.001"	0.0002"	4"	$256.00	$232.00

Prices & Specifications are subject to change without notice.

Interchangeable Anvil Bluetooth Depth Gage

Features:
- Supplied standard with mono-plane measuring probe
- Measure normal or inverted positions using the same probe
- Optional measuring inserts available
- Coolant proof, dust proof - IP67
- Bluetooth communication for error free data collection
- 4" measuring base. 8" & 12.5" base attachments available
- Available in 3 ranges. 8", 12" & 19"
- Frame made of hardened stainless steel
- Sleep mode after 20 minutes and automatic wake-up with movement

Sale $1,569.00

List Price $1,650.00

Order No. 54-139-160-1

X-DEPTH 22-E 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

Sale $218.00

List Price $241.00

Order No. 54-125-777-0

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

Sale $132.00

List Price $146.00

Order No. 52-125-006-1

Mark VI Sylvac Electronic Indicators

Order No. 54-530-335-0

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

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	$769.00	$731.00
54-530-145-0	0 - 1"/25mm	0.0004"/0.01mm	0.0005"/0.01mm	$950.00	$904.00
High Resolution					
54-530-135-0	0 - 0.500"/12.5mm	0.00012"/0.003mm	0.00005"/0.001mm	$1,050.00	$999.00
54-530-155-0	0 - 1"/25mm	0.00016"/0.004mm	0.00005"/0.001mm	$1,150.00	$1,093.00
54-530-175-0	0 - 2"/50mm	0.00019"/0.005mm	0.00005"/0.001mm	$1,950.00	$1,853.00
Bluetooth					
54-530-335-0	0 - 0.500"/12.5mm	0.00012"/0.003mm	0.00005"/0.001mm	$1,202.00	$1,142.00
54-530-355-0	0 - 1"/25mm	0.00016"/0.004mm	0.00005"/0.001mm	$1,162.00	$1,104.00
Accessories					
54-981-724-5	Sylcom Pro (digital license)			$2,585.00	$2,457.00
54-981-713-2	Sylcom Standard (dongle license)			$1,102.00	$1,047.00
54-115-246-BT	USB Bluetooth Receiver			$58.00	$53.00

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

TOOL-A-THON BEST SELLER! FOWLER HIGH PRECISION

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	$91.00	$82.00
54-520-250-0	1"/25mm	± 0.001"/0.03mm	$88.00	$80.00
54-520-260-0	1"/25mm	± 0.001"/0.03mm	$109.00	$99.00

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
52-520-105-0	0.50"	0.001"	0 - 100	0 - 50 - 0	White	$123.00	$99.00
52-520-110-1	1"	0.001"	0 - 100	—	Black	$70.00	$56.00
52-520-110-2	1"	0.001"	0 - 100	—	White	$70.00	$56.00
52-520-120-0	2"	0.001"	0 - 100	—	White	$186.00	$149.00
52-520-129-0	1"	0.0005"	0 - 50	0 - 25 - 0	White	$43.00	$35.00
52-520-300-0	10mm	0.01mm	0 - 100	0 - 50 - 0	White	$148.00	$119.00
52-520-500-0	25mm	0.01mm	0 - 100	0 - 50 - 0	White	$178.00	$142.00

Magnetic Indicators

Features:

Mag Back:
- Attaches to most 4 hole indicator backs

AGD Group 2 Indicator Features:
- 1" travel
- AGD group 2
- 2-1/4" dial diameter
- Reading: 0.001"
- Continuous reading: 0-100
- Revolution counter
- Tolerance indicators

Sale $59.00

List Price $65.00

Order No. 52-520-485-0

Order No.	Description	List Price	Sale Price
52-520-485-0	Magnetic Back with AGD Group 2 Indicator	$65.00	$59.00
52-585-495-0	Magnetic Back (for 4 hole backs with 1.8" centerline distance only)	$29.00	$24.00

Depth Base Attachments

Features:

- Turn your dial or electronic indicator into a depth gage
- 4" length
- Fits indicators with 3/8" and 8mm mounting stems
- Ground and lapped base
- Each supplied with 4 extension points, for added application range (4 - 48 thread)

Order No. 52-125-004-0

Order No.	Description	List Price	Sale Price
52-125-004-0	Flat depth base attachment	$52.00	$47.00

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"	$910.00	$865.00
54-562-888-BT	0.080"/2.0mm	1-7/16"	$1,050.00	$998.00
54-562-890-BT	0.030"/0.80mm 0.080"/2.0mm	1/2" 1-7/16"	$1,150.00	$1,094.00

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					
52-562-001-0	0.0005"	1-1/2"	0 - 15 - 0	$170.00	$154.00
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
Vertical					
52-562-004-0	0.0005"	1-1/2"	0 - 15 - 0	$182.00	$164.00

Prices & Specifications are subject to change without notice.

Indi-X Blue Electronic Indicator and Stand Combo

Sale $180.00

List Price $199.00

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

Fine Adjust Mag Base

With Black Dial Indicator Set

Indicator Features:
- Range: 0-1"
- Graduation: 0.001"
- Meets AGD specifications
- Continuous reading 0-100
- Revolution counter
- Tolerance indicators

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 round surfaces

Sale $85.00

List Price $94.00

Order No. 52-520-199-0

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
- Floating zero

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	$161.00	$145.00
52-585-125-0	Fine Adjust Mag Base Set w/AGD Dial Indicator Set	$199.00	$170.00

Prices & Specifications are subject to change without notice.

Fowler HIGH PRECISION

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 $135.00

List Price $149.00

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
- Includes a 7.5" post, indicator rod

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 Magnetic Base

Sale $131.00

List Price $145.00

Features:
- Adjusts in almost unlimited ways
- Fine adjust
- 85 lb. pull
- V-slot on base for mounting on rounded surfaces

Order No. 52-585-008-0

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	$62.00
52-585-010-0	Magnetic Base with fine adjustment	$83.00	$67.00

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	$85.00	$77.00
52-585-045-0	Chrome Flex Arm Magnetic Base	$134.00	$121.00

Clinotronic-S

The Clinotronic-S is a portable precision instrument for measuring inclinations up to ±45°. 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:

SWISS MADE

Features:

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

Order No. 54-635-605-0

Sale $4,795.00

List $5,327.00

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

Features:

- Range of ± 45°, 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°
- Linearity: 3 min. of arc + 1
- Housing: aluminum hard anodized.
- Dimensions: 4 × 3 × 1"(100 × 75 × 30mm)

Sale $4,275.00

Order No. 54-635-601-0

List $4,500.00

Prices & Specifications are subject to change without notice.

Digi Level PLUS+
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: ± 0.2°
- Resolution: 0.050°

Sale $177.00

List Price $196.00

Order No.	Description	List Price	Sale Price
54-422-550-BT	Digi-Level PLUS with smart wireless	$196.00	$177.00

mini-MAG Protractor

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

Features:
- Accuracy: ± 0.2°
- 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 $102.00

List Price $113.00

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 × 90)
- Accuracy: ± 0.2°
- Resolution: 0.05°
- Hold feature
- Zero function

Order No. 54-422-500-0

Sale $108.00

List Price $120.00

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: ± 0.2°
- Repeatability: ± 0.05°
- Resolution: 0.1°
- Includes standard 3V lithium battery

Order No.	Description	List Price	Sale Price
54-440-740-1	4" Digi-Level PRO	$105.00	$95.00
54-440-775-1	12" Digi-Level PRO	$141.00	$127.00

Square, Protractor and Center Head
With 12" Blade

Features:
- Blades are chrome plated, fully hardened and tempered
- 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. 52-370-012-0

Sale $152.00
List Price $202.00

Prices & Specifications are subject to change without notice.

Fowler® HIGH PRECISION

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"

Sale $250.00

List Price $276.00

Order No. 52-475-500-0

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

Order No.	Description	Accuracy	List Price	Sale Price
52-439-031-0	1-2-3 Blocks	± 0.0001"/1"	$60.00	$54.00
52-439-032-0	1-2-3 Blocks	± 0.0002"/1"	$113.00	$102.00
52-439-246-0	2-4-6 Blocks	± 0.0003"/1"	$230.00	$208.00

1/8" Parallel Set

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: 0.001"

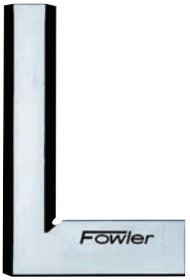
Order No. 52-437-000-0

Sale $242.00

List Price $268.00

Prices & Specifications are subject to change without notice.

Fowler® HIGH PRECISION



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
52-426-008-0	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: ± 0.0001"
- 12" cylindrical squares: ± 0.00015"

Order No.	Description	List Price	Sale Price
52-750-006-0	6" Height/3" Ø	$385.00	$348.00
52-750-012-0	12" Height/4" Ø	$553.00	$498.00

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"
- 52-438-777-0 Set includes 25 pairs
- Pair sizes in mm: 1mm through 25mm

52-438-766-0

Sale $103.00

List Price $113.00

Order No.	Description	List Price	Sale Price
52-438-766-0	52 piece Gage Ball Set	$113.00	$103.00
52-438-777-0	50 piece Metric Gage Ball Set	$120.00	$108.00

Prices & Specifications are subject to change without notice.

SHOP-BLOX® Rectangular Gage Block Sets

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 ± 0.00005"
- In high-quality fitted case

Order No.	Description	List Price	Sale Price
53-672-036-0	36 pieces	$205.00	$175.00
53-672-081-0	81 pieces	$295.00	$250.00

Quill Adapter Kit PLUS

Order No. 54-050-100-0

Features:
- Includes quill installation tool kit
- 0 - 6"/150mm travel
- Accuracy: ± 0.001"/0.03mm
- Resolution: 0.0005"/0.01mm/1/64"
- Preset, zero, in/mm, absolute/incremental, on/off functions
- Stainless steel construction
- Interchangeable mounting brackets with hardware
- IP54 protected against fluid and dust
- Large display 9.5mm
- Uses 1 CR2032, 3V battery (2 included)

Sale $189.00

List Price $209.00

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

TOOL-A-THON BEST SELLER! FOWLER HIGH PRECISION

52-710-025-0

Order No.	Description	List Price	Sale Price
52-710-025-0	2D Coaxial Set - Inch	$353.00	$329.00
52-710-030-0	2D Coaxial Set - Metric	$353.00	$329.00

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
- Repeatability: 0.00015"/0.004mm
- Accuracy: 0.0001"/0.003mm

Sale $164.00

List Price $182.00

Order No. 54-188-200-0

Electronic Edge Finders

54-575-600-0

54-575-625-0

54-575-650-0

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

MADE IN USA

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	$77.00	$70.00
54-575-625-0	0.200"	1/2"	NO	$264.00	$255.00
54-575-650-0	0.400"	3/4"	YES	$264.00	$255.00

Prices & Specifications are subject to change without notice.

HIGH Accuracy Z-Axis Detectors

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

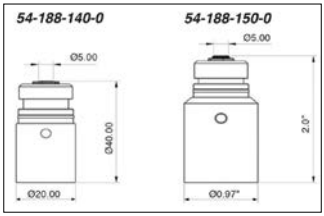
Sale $387.00

List Price $429.00

Protected to IP65 COOLANT & FLUID RESISTANT

Features:

- IP67 protected against fluid and dust
- High accuracy and repeatability, ±0.000039"/0.001mm
- 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)



Order No.	Model	Description	List Price	Sale Price
54-188-150-0	**Inch**	Height: 2"/50.8mm, Dia. 0.97"/24.638mm	$312.00	$281.00
54-188-140-0	**Metric**	Height: 1.57"/40mm, Dia. 0.78"/20mm	$429.00	$387.00

Bore Gage Setting Master Kits

Fowler's Bore Gage Setting Master Kit is used for accurately setting any 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 0.375" (two of 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 0.00005"
- Certificate of Calibration to NIST

Metric model available.

Check out the X-Tender-E Plus Bore Gage Set and Dial Cylinder Bore Gages on pgs. 30-31

Bore gage shown not included

Order No.	Description	List Price	Sale Price
53-646-000-1	Inch Bore Gage Setting Master Kit	$501.00	$451.00
53-646-005-0	Bore Gage Setting Master Kit - without Gage Blocks	$320.00	$289.00

Optical Comparator with Accessory Package

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

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 30): 1"/25mm capacity with 0.0005"/0.01mm resolution

Order No.	Description	List Price	Sale Price
53-900-000-0	12" Basic Bench Top Optical Comparator without Accessories	$4,014.00	$3,412.00
53-900-100-0	Optical Comparator with Accessory Package	$4,292.00	$3,649.00
Accessories			
53-900-020-0	20x Lens	$358.00	$287.00

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 andles, 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.

Sale $153.00

List Price $179.00

Order No. 52-664-009-0

Prices & Specifications are subject to change without notice.

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)
- Special application probes available

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)	$2,808.00	$2,528.00
54-410-600-0	Portable Surface Roughness Tester 0.0002" probe (DIN specifications)	$2,808.00	$2,528.00
54-400-896-0	Adjustable height stand for roughness testers	$740.00	$666.00

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.

54-188-300-0

Tool Holding Spindle

Tool presetter is supplied with high precision tool pot (Grade 0)

- ISO 40 or 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 with 50 Taper Tool Pot	$21,511.00	$19,362.00
54-188-304-0	Tool Presetter with 40 Taper Tool Pot	$12,507.00	$11,257.00

Steel Rules

- Tempered steel
- Etched, non-glare, black finish
- 5R graduations: 32nds & 64ths, 10ths & 100ths
- 4R graduations: 8ths, 16ths, 32nds, & 64ths
- 16R graduations: 32nds, 64ths, 50ths, & 100ths
- Flexible rules: 0.020" thick
- Gold rules are titanium coated

Order No.	Graduation	Flexiblity	Finish	Size	List Price	Sale Price
52-295-006-0	4R	Flexible	Satin Chrome	6"	$16.00	$14.00
52-297-006-0	4R	Flexible	Black	6"	$18.00	$13.00
52-295-012-0	4R	Flexible	Satin Chrome	12"	$32.00	$27.00
52-297-012-0	4R	Flexible	Black	12"	$31.00	$22.00
52-300-006-0	5R	Flexible	Satin Chrome	6"	$20.00	$14.00
52-307-006-0	5R	Flexible	Black	6"	$18.00	$13.00
52-307-012-0	5R	Flexible	Black	12"	$30.00	$21.00
52-308-006-0	16R	Flexible	Black	6"	$15.00	$13.00
52-310-006-0	16R	Flexible	Satin Chrome	6"	$20.00	$14.00
52-310-012-0	16R	Flexible	Satin Chrome	12"	$30.00	$27.00
52-330-006-0	4R	Rigid	Satin Chrome	6"	$23.00	$17.00
52-337-006-0	4R	Rigid	Black	6"	$20.00	$14.00
52-330-012-0	4R	Rigid	Satin Chrome	12"	$32.00	$29.00
52-350-006-0	16R	Rigid	Satin Chrome	6"	$17.00	$15.00
52-338-006-0	16R	Rigid	Black	6"	$17.00	$14.00
52-350-012-0	16R	Rigid	Satin Chrome	12"	$36.00	$29.00

Pocket Steel Rule

- Rounded edge prevents damage to shirt pocket
- Inch graduations are in 64ths
- Metric scale is in 1mm increments
- Rule width: 0.470"
- Rule thickness: 0.021"

Order No.	Description	List Price	Sale Price
52-380-100-0	6"/150mm Pocket Steel Rule	$11.00	$10.00

Prices & Specifications are subject to change without notice.

THE FUTURE OF INSPECTION
AUTOMATED ROBOTS + OPTICAL SCANNING

Let the robot handle repetitive inspections & free up resources for other tasks

1 See

3D camera precisely identifies and locates your parts, even when they're randomly arranged in a bin

2 Pick

The robot arm intelligently picks a single part and transfers it with fluid precision to the Inspection Solution

3 Inspect

The part is placed into the Inspection Solution for a complete, non- contact inspection in about 30 seconds

4 Sort

The robot takes the part and places it into a "Pass," "Fail," or "Rework" bin based on the inspection results, providing actionable, error-free quality data

Fowler® HIGH PRECISION

fowlerprecision.com/automation

AHB

TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

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