

Fred V. Fowler Company, Inc.



V-Series+ Electronic Height Gages

Three Models:

21"/535mm
32.8"/835mm
48.6"/1235mm

Resolution:

.00005"/.0005"(.001/.01mm)

Repeatability:

.00008"/.002mm (±2s)

Accuracy:

.00016"/.004mm over 12"/300mm travel.
.0002"/.005mm over 24"/600mm travel.
.00025"/.006mm over 40"/1000mm travel.

Squareness:

.0002"/.005mm over 12"/300mm
.00032"/.008mm over 24"/600mm
.00047"/.012mm over 40"/1000mm



Special Features:

- Measures height, inside and outside diameters and centerline locations without changing probes.
- Simple to operate with handwheel and adjustable measuring pressure.
- Swiss engineering and construction.
- Direct RS232 output for SPC.
- Built-in pump provides air cushion to reduce wear and fatigue.
- Full numeric keypad and large display.
- Built-in rechargeable battery.
- Optional printer, probes and setting gage.
- Includes 4mm Ø ruby probe
- 2-D XY capability with optional software.

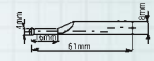
Order No.	Description
54-199-300	21"/535mm V+ Series Electronic Height Gage
54-199-024	32.8"/835mm V+ Series Electronic Height Gage
54-199-040	48.6"/1235mm V+ Series Electronic Height Gage
54-199-070	Master Setting Gage (metric)
54-199-075	Master Setting Gage (inch)
54-199-076	12"/300mm Master Setting Gage

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V-Series Height Gage Accessories

The V-Series Height gages have a variety of optional accessories to fit your needs. From probes to printers there's something available to better fit your gaging application.

Ruby-ball probe (standard), Ø 4mm  54-199-012

Measuring insert and insert for dial indicator probe  54-190-555

Measuring insert with interchangeable pin.  54-190-554

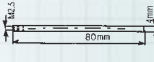
Reduction holder Ø 8mm/4mm  54-199-019

Reduction holder Ø 8mm/3/8"  54-199-020

Holder for Ø 4mm  54-199-014

30° holder, Ø 4mm  54-199-015


Swivel holder for measuring inserts  54-199-013


Holder L= 80 mm /M2,5  54-199-506

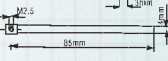
Holder L=124mm /M2,5  54-199-505

Ball point Ø 2mm/M2,5  54-199-504

Disc shaped insert 1mm/M2,5 0,8mm/M2,5 (pair)  54-199-502

Corner insert 1mm/M2,5  54-199-503

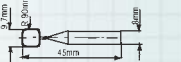
Right angle ruby-ball insert 3mm/M2.5  54-199-501

90° holder / M2,5  54-199-507


90° holder / Ø 4mm  54-199-508

Barrel-shapped insert, 2,2mm  54-190-563

Barrel-shapped insert, 4,5mm  54-190-564

Barrel-shapped insert, 4.5mm  54-190-565

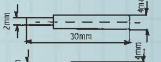
Ruby-ball probe , Ø 2mm  54-199-509

Probe holder and probe Ø1mm.  54-199-512

Cylindrical probe, Ø 3mm  54-199-511

Knife-edge insert  54-199-510

Knife-edge insert  54-190-043

Pin shaped insert  54-190-046

Ball insert  54-190-044

Disc shaped insert  54-190-047

Quick clamp probe holder  54-199-020

Probes, Holders & Inserts (shown)

Order #	Description
54-199-012	Ruby-ball probe (standard) 4mm
54-190-555	Measuring insert & insert for dial indicator probe
54-190-554	Measuring insert with interchangeable pin
54-199-019	Reduction holder 8mm/4mm
54-199-020	Quick clamp probe holder
54-199-014	Holder for 4mm
54-199-015	30° holder 4mm
54-199-013	Swivel holder for measuring inserts 8mm
54-199-011	Swivel holder for measuring inserts .250"
54-199-506	Holder L=80mm/M2.5
54-199-505	Holder L=124mm/M2.5
54-199-504	Ball point 2mm/M2.5
54-199-502	Disc shaped insert set 1mm/M2.5 0.8mm/M2.5 (pair)
54-199-503	Corner insert 1mm/M2.5
54-199-501	Right angle ruby-ball insert 3mm/M2.5
54-199-507	90° holder / M2,5
54-199-508	90° holder / Ø 4mm
54-190-563	Barrel-shaped insert, 2,2mm
54-190-564	Barrel-shaped insert, 4,5mm
54-190-565	Barrel-shapped insert, 4.5mm
54-199-509	Ruby-ball probe 2mm
54-199-512	Probe holder & probe 1mm
54-199-511	Cylindrical probe 3mm
54-199-510	Knife edge insert
54-190-043	Knife-edge insert
54-190-046	Pin shaped insert
54-190-044	Ball insert
54-190-047	Disc shaped insert

Other Accessories (not shown)

54-199-000	Printer including: Printer & AC adaptor (without cable & bracket)
54-199-005	Complete Printer kit (includes printer, AC adaptor, cable and bracket)
54-199-004	Printer bracket with mounting hardware
54-199-002	RS232 printer cable
54-618-166	RS232 PC cable
54-199-010	Thermal printer paper (5 rolls)
54-199-018	110V AC adaptor for V600/V1000 (included with all V series gages)
54-199-070	Setting reference gage, height=75mm
54-199-075	Setting reference gage, height=3"
54-199-560	Wooden accessory support block
54-199-016*	Complete set (including 54-199-501 thru 54-199-515 & 54-199-550)
54-199-017*	Partial set (including 54-199-509 thru 54-199-513 & 54-199-550)
54-199-513	Lock wrench
54-199-514	Hex screw wrench 1.5mm
54-199-515	Hex screw wrench 2.5mm
54-199-550	Wooden case (empty) Included with 54-199-016/017

* Requires 54-199-019

