

# V+ Series Electronic Height Gages

## Three Models:

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

## Resolution:

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

## Repeatability:

.00008"/.002mm ( $\pm 2s$ )

## 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



- 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.
- Min/Max/Delta value
- Direct RS-232 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  $\varnothing$  ruby probe
- 2-D XY capability with optional software.

## Order Number

54-199-300  
54-199-024  
54-199-040  
54-199-580  
54-199-076

## Description

21"/535mm V+ Series Electronic Height Gage  
32.8"/835mm V+ Series Electronic Height Gage  
48.6"/1235mm V+ Series Electronic Height Gage  
V-Series Setting Gage  
12"/300mm Master Setting Gage

# 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.

Description	Part No.	Description	Part No.
Ruby-ball probe (standard), Ø 4mm	54-194-911	Ruby-ball probe, Ø 2mm	54-199-509
Measuring insert and insert for dial indicator probe	54-190-555	Probe holder and probe Ø1mm	54-199-512
Measuring insert with interchangeable pin.	54-190-554	Cylindrical probe, Ø 3mm	54-199-511
Reduction holder Ø 8mm/4mm	54-199-019	Knife-edge insert	54-199-510
Reduction holder Ø 8mm/3/8"	54-199-020	Knife-edge insert	54-190-043
Holder for Ø 4mm	54-199-014	Pin shaped insert	54-190-046
30° holder, Ø 4mm	54-199-015	Ball insert	54-190-044
Swivel holder for measuring inserts	54-199-013	Disc shaped insert	54-190-047
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-shaped insert, 2.2mm	54-190-563		
Barrel-shaped insert, 4.5mm	54-190-564		
Barrel-shaped insert, 4.5mm	54-190-565		

### Probes, Holders & Inserts (shown)

Order Number	Description
54-194-012	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 for 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	Ruby-ball insert 3mm/M2.5
54-199-507	90° holder/M2.5
54-199-508	90° holder/4mm
54-190-563	Barrel-shaped insert
54-190-564	Barrel-shaped insert
54-190-565	Barrel-shaped insert
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)
54-199-580	V-Series setting gage
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