

Vectra-Touch

The Fowler/Trimos Vectra-Touch 1-D/2-D height gage with the latest in upgraded technology is now available with the following features:

- Motorized carriage movement.
- Swiss engineering and construction.
- Surface/Diameter/Centerline measurement
- Min/Max/Delta value
- 9 references
- Squareness/Angle measurement
- Calculation mode
- Tolerances
- 2D measuring mode
- Motorized measurement sequences
- Statistical analysis
- Temperature measurement/compensation
- Built-in pump provides air cushion to reduce wear and fatigue.
- Online help
- USB/RS-232/Wireless communication
- Up to 2000mm measuring range available



Specifications:

Vectra - Touch models		300	600	1000
Measuring range	in	12"/305mm	24"/610mm	40"/1016mm
with 2nd probe holder	in	22"/567mm	34"/872mm	50"/1278mm
Resolution	in		0.00001"/0.0001mm	
Max. permissible errors	µm		2+ L(mm)/400	
Repeatability	in		.00004"/.00008"	
Manual carriage displacement speed	mm/s.		1000	
Motorized carriage displacement speed	mm/s		150	
Measuring force, adjustable	N		0.5-1.8	
Squareness deviation	in	.00016"	.00024"	.00039"
Power supply			rechargeable battery pack	
Battery life	h		8	
Available interface connections			2x RS232C, 2x USB (A and B)	
Operational temperature			50 to 104° F/°C+10 to 40	
Total Height	mm	25.4"/645mm	37.4"/950mm	53.4"/1357mm
Weight	kg	35.2lbs/16kg	41.8lbs/19kg	50.6lbs/23kg

The values of max. permissible error and repeatability are valid only when using the standard probe (measuring insert with tungsten carbide ball, 4mm L=90 mm), at temperature of 20±1 °C and relative humidity of 50± 5%.

Order Number	Description
54-193-300	12"/300mm Vectra Electronic Height Gage
54-193-600	24"/600mm Vectra Electronic Height Gage
54-193-900	40"/1000mm Vectra Electronic Height Gage



Swiss Quality!



Vectra & Mestra-Touch Accessories

Order Number	Description
54-194-016	Micro Probe Accessory Set (Image on previous page) Includes: Case Hemispheric insert Probe with pin (plus 4 additional pins) Disc-shaped insert Ø 7.7mm Disc-shaped insert Ø 11.5mm Corner insert 1mm Measuring insert of test indicator Ø 1mm Measuring insert of test indicator Ø 2mm Measuring insert of test indicator Ø 3mm Measuring insert holder for: M2.5, M1.6, M1.4 Insert holder L=80mm M2.5 Insert holder 90° L=80mm Ø 4mm Measuring insert holder Ø 1mm Ruby Ball Probe Ø 2mm Ball Probe Ø 1mm Knife-edged measuring probe L=88mm Holder with reduction 8mm/4mm Swivel holder Ø4/Ø8mm Key for ball insert Hex wrench 1.5mm Hex wrench 2.5mm
54-194-017	Macro Probe Accessory Set (Image on previous page) Includes: Case Carbide Ball Probe Ø 4mm Carbide Ball Probe Ø 2mm Carbide Probe with pin Ø 1.5mm Swivel holder 90° Ø 4mm Measuring insert holder Ø 2mm Insert holder (metric) M2.5 Insert holder L=124mm M2.5 Insert holder L=200mm M2.5 Hemispheric insert Disc-shaped insert Ø 18mm Measuring insert of test indicator Ø 1mm Measuring insert of test indicator Ø 2mm Measuring insert of test indicator Ø 3mm Key for ball insert Hex wrench 2.5mm