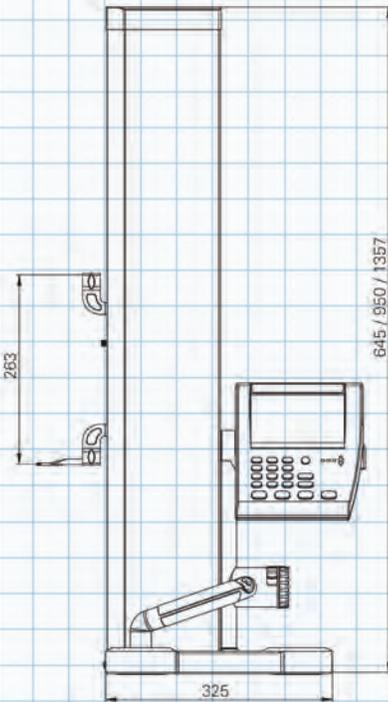




Swiss Quality!



Mestra and Vectra-Touch  
Dimensions



2-D Measurements  
Motorized  
5 yr Warranty

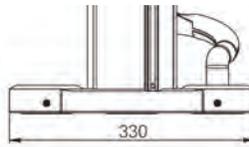


## Vectra-Touch

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

- Manual or motorized carriage movement
- Self triggering probe
- Swiss engineering and construction
- Surface/Diameter/Centerline measurement
- Min/Max/Delta value
- 9 references
- Squareness measurement (requires optional probe)
- Angle measurement
- Calculation mode
- Tolerances
- 2D measuring mode
- Programmable measurement sequences
- Statistical analysis
- Temperature measurement/compensation (requires optional probe)
- Built-in pump provides air cushion to reduce wear and fatigue.
- Online help
- USB/RS-232/Wireless communication
- Up to 2000mm measuring range available
- Takes 8mm probes

Side view



### Specifications:

Vectra - Touch models	300	600	1000
Measuring range	in 12"/305mm	24"/610mm	40"/1016mm
Application range	in 22"/567mm	34"/872mm	50"/1278mm
Resolution	in	0.00001"/0.0001mm	
Max. permissible errors	$\mu\text{m}$	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	50.6kg/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%.

### Part Number Description

54-193-300-0	12"/300mm Vectra Electronic Height Gage
54-193-600-0	24"/600mm Vectra Electronic Height Gage
54-193-900-0	40"/1000mm Vectra Electronic Height Gage
54-193-060-0	60"/1500mm Vectra Electronic Height Gage
54-193-301-0	12"/300mm with Manual Carriage Movement
54-193-601-0	24"/600mm with Manual Carriage Movement
54-193-901-0	40"/1000mm with Manual Carriage Movement
1D Only Models	
54-193-101-0	24"/600mm 1D Vectra Electronic Height Gage with Motorized Movement
54-193-100-0	24"/600mm 1D Vectra Electronic Height Gage with Manual Carriage Movement

60"/1500mm and 80"/2000mm available. Contact Fowler for pricing info.

See pgs 218-220 for probes

Specifications subject to change without notice.

## V Electronic Height Gages

The **NEW** Fowler-Trimos V vertical measuring instruments have been developed for the most difficult workshop environments. Manufactured in their entirety in Switzerland, they guarantee a robust, precise and reliable product in the long run.



*Designed by Trimos,  
Swiss masters of  
Metrology.*

*A very accurate,  
robust shop gage that  
features high accuracy  
and easy-to-use  
features*

- Measuring ranges 400mm, 700mm and 1100mm
- Extremely easy to use
- "Black mask" display with user friendly functions
- Electronically adjustable measuring force 0.75/1.5 (N)
- Battery life: approximately 40 hours (lithium-ion batteries)
- Vast range of accessories
- All adjustments possible without tools
- Cast iron base for optimal stability
- RS232 and USB interfaces
- Air cushion (V4, V5 and V6 Only)
- Dual probe holders (V4, V5 and V6 Only)
- Carriage displacement: Manual  
(V5 and V6 includes selectable manual or motorized carriage displacement)
- Measures heights, diameters, perpendicularity, centerlines, Min/Max/Delta
- Accessory measuring probes up to 340mm in length available and provide excellent repeatability
- Repeatability (2s): 0.00008"/0.002mm (Ø)  
0.00016"/0.004mm

### All V Models Include:

- Charging unit
- Measuring insert with ruby ball Ø4mm
- Probe holder elbow Ø 8mm
- Setting gage
- User's manual
- Test certificate

