



**TRIMOS**

# V Series Height Gages



*Simplicity*

The 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.

- Measuring ranges 400mm, 700mm and 1100mm
- Extremely easy to use
- High contrast display with user friendly functions allows easy viewing from any direction
- Electronically adjustable measuring force 0.75/1.5 (N)
- Vast range of accessories
- All adjustments possible without tools
- Cast iron base for optimal stability
- RS232 and USB interfaces with available Bluetooth option
- Air cushion (on all models except V3)
- Dual probe holders (on all models except V3)
- Carriage displacement: Manual  
(V5 – V9 includes selectable manual or motorized carriage displacement )
- V8 featuring fine adjustment for specific applications
- Measures heights, diameters, perpendicularity, centerlines, Min/Max/Delta
- Accessory measuring probes up to 340mm in length available and provide excellent repeatability



**All V Models Include:**

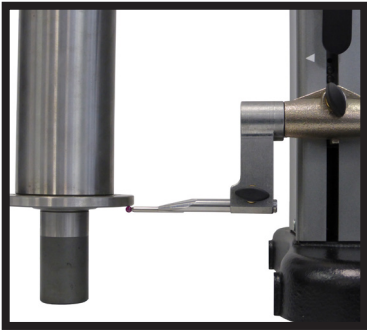
- Charging unit
- Measuring insert with ruby ball (Ø4mm)
- Probe holder elbow (Ø8mm)
- Setting gage
- User's manual
- Test certificate

Along with higher accuracy and repeatability, the V7 and V9 models also offer 2D hole pattern measurements, programming, and statistics.

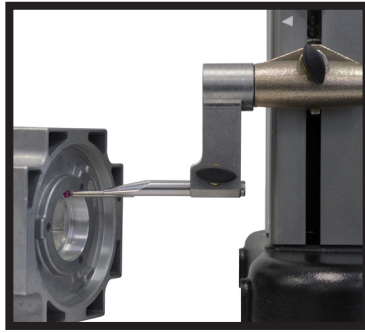


*Fine Adjustment feature  
V8 Model only*

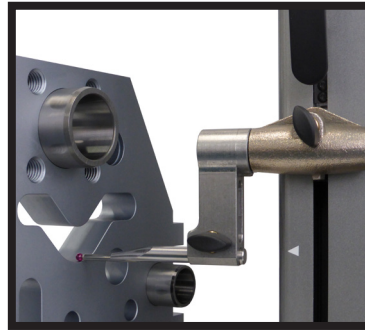
# Applications and Functionalities



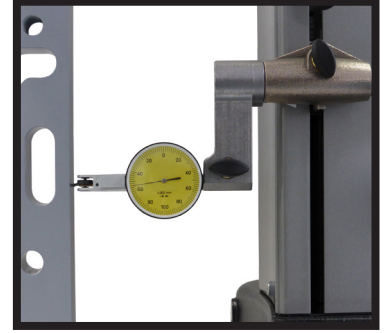
**Height Measurements**  
Height, thickness and chain of dimensions measurements



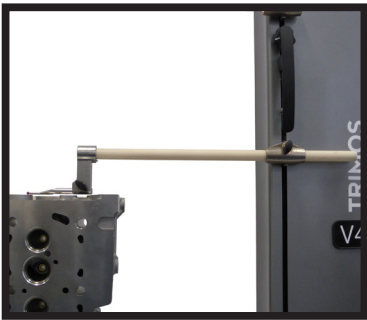
**Diameter Measurements**  
Simultaneously displays diameter and centerline



**Min/Max/Delta**  
Easy detection of min, max points or flatness of a surface



**Perpendicularity**  
All instruments are mechanically corrected for squareness



**Long Probes**  
Standard measuring inserts up to 340mm, offer excellent repeatability



**Accessories**  
Very large range of accessories for any type of measurement



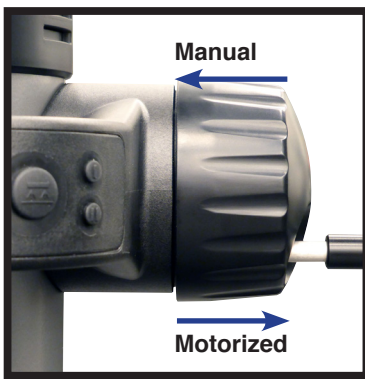
**User-Friendly Functions**  
Straightforward symbols and directly accessible functions



**Maximum Contrast**  
Easy reading in any lighting thanks to the "Black Mask" display V3—V6



**Fine Adjustment (V8 only)**  
Fine adjustment for specific applications requiring an accurate carriage position



**Selectable Carriage Displacement**  
V5—V9 models include selectable manual or motorized carriage displacement



**Adjustable in Every Direction**  
The touch screen display on the V7 and V9 models offers an ease of use never reached yet on a vertical measuring instrument. The menus and functions displayed conform to a very strict philosophy and design. This allows a great efficiency, even in complex tasks such as programming, 2D mode, angle measurements or statistical analysis of results.



**Smart Reverse Technology**  
V7—V9 models  
Optimizes diameter measurements

Watch the Demo!



To see video overviews, demonstrations and tutorials on the V Height Gages, use the QR code on the right.

You can also find many other great demos and tutorials for other products in our YouTube channel: <http://www.youtube.com/user/FowlerVid>



<b>V3</b>	<b>54-192-340-0</b>	<b>54-192-370-0</b>
Measuring Range	16"/407mm	28"/711mm
Range with Probe inverted	20"/508mm	31.9"/812mm
Max. Permissible Errors	0.00032"/0.008mm	0.00032"/0.008mm
Frontal Squareness Deviation	0.0004"/0.010mm	0.0006"/0.015mm
Resolution	0.00005"/0.001mm	
Repeatability (2s)	0.00008"/0.002mm (Ø 0.00016"/0.004mm)	
Air Cushion	<b>NO</b>	
Battery life	40 hours	

<b>V4</b>	<b>54-191-440-0</b>	<b>54-191-470-0</b>
Measuring Range	16"/407mm	28"/711mm
Range with Probe inverted	28.3"/719mm	40.2"/1023mm
Max. Permissible Errors	0.0002"/0.005mm	0.00028"/0.007mm
Frontal Squareness Deviation	0.0004"/0.010mm	0.0006"/0.015mm
Resolution	0.00005"/0.001mm	
Repeatability (2s)	0.00008"/0.002mm (Ø 0.00016"/0.004mm)	
Air Cushion	<b>YES</b>	
Battery life	20 hours	

<b>V5</b>	<b>54-199-540-0</b>	<b>54-199-570-0</b>	<b>54-199-590-0</b>
Measuring Range	16"/407mm	28"/711mm	43.7"/1110mm
Range with Probe inverted	28.3"/719mm	40.2"/1023mm	56"/1422mm
Max. Permissible Errors (µm)		2.5 + L(mm)/300	
Frontal Squareness Deviation	0.0002"/0.005mm	0.00032"/0.008mm	0.00043"/0.011mm
Resolution		0.00005"/0.001mm	
Repeatability (2s)	0.00008"/0.002mm (Ø 0.00016"/0.004mm)		
Air Cushion	<b>YES</b>		
Battery Life	12 hours		

<b>V6</b>	<b>54-199-640-0</b>	<b>54-199-670-0</b>	<b>54-199-690-0</b>
Measuring Range	16"/407mm	28"/711mm	43.7"/1110mm
Range with Probe inverted	28.3"/719mm	40.2"/1023mm	56"/1422mm
Max. Permissible Errors (µm)		2 + L(mm)/400	
Frontal Squareness Deviation	0.0002"/0.005mm	0.00032"/0.008mm	0.00043"/0.011mm
Resolution		0.00005"/0.001mm	
Repeatability (2s)	0.00008"/0.002mm (Ø 0.00016"/0.004mm)		
Air Cushion	<b>YES</b>		
Squareness Probe	<b>YES</b>		
Accessory Available			
Battery Life	12 hours		

<b>V7</b>	<b>54-199-740-0</b>	<b>54-199-770-0</b>	<b>54-199-790-0</b>
Measuring Range	16"/407mm	28"/711mm	44"/1110mm
Range with Probe inverted	28"/719mm	40"/1023mm	56"/1422mm
Max. Permissible Errors (µm)		2 + L(mm)/400	
Frontal Squareness Deviation	0.0002"/0.005mm	0.00032"/0.008mm	0.00043"/0.011mm
Resolution		0.00001"/0.0001mm	
Repeatability (2s)	0.00002"/0.0005mm (Ø 0.00004"/0.001mm)		
Air Cushion	<b>YES</b>		
Squareness Probe	<b>YES</b>		
Accessory Available			
Battery Life	12 hours		

<b>V8 with Fine Adjustment</b>	<b>54-199-840-0</b>	<b>54-199-870-0</b>	<b>54-199-890-0</b>
Measuring Range	16"/406mm	28"/710mm	43"/1109mm
Range with Probe inverted	28"/724mm	40"/1028mm	56"/1427mm
Max. Permissible Errors (µm)		1.2 + L(mm)/1000	
Frontal Squareness Deviation	0.0002"/0.005mm	0.00032"/0.008mm	0.00043"/0.011mm
Resolution		0.00001"/0.0001mm	
Repeatability (2s)	0.00002"/0.0005mm (Ø 0.00004"/0.001mm)		
Air Cushion	<b>YES</b>		
Squareness Probe	<b>YES</b>		
Accessory Available			
Battery Life	12 hours		

<b>V9</b>	<b>54-199-940-0</b>	<b>54-199-970-0</b>	<b>54-199-990-0</b>
Measuring Range	16"/406mm	28"/710mm	43"/1109mm
Range with Probe inverted	28"/724mm	40"/1028mm	56"/1427mm
Max. Permissible Errors (µm)		1.2 + L(mm)/1000	
Frontal Squareness Deviation	0.0002"/0.005mm	0.00032"/0.008mm	0.00043"/0.011mm
Resolution		0.00001"/0.0001mm	
Repeatability (2s)	0.00002"/0.0005mm (Ø 0.00004"/0.001mm)		
Air Cushion	<b>YES</b>		
Squareness Probe	<b>YES</b>		
Accessory Available			
Battery Life	12 hours		



No. 54-199-106-0



No. 54-199-105-0



No. 54-199-400-0

Part Number	Description
<b>Probe Sets</b>	
54-199-105-0	21 pc. Micro Probe Set
54-199-106-0	16 pc. Macro Probe Set
54-199-107-0	7 pc. Economy Probe Set
<b>Accessories</b>	
54-199-400-0	300mm probe holder (for 8mm probes)
54-199-021-BT	Bluetooth module
54-115-246-BT	Bluetooth receiver
54-777-120-0	Vmux software - for connecting multiple units to one PC



No. 54-199-021-BT



No. 54-115-246-BT

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