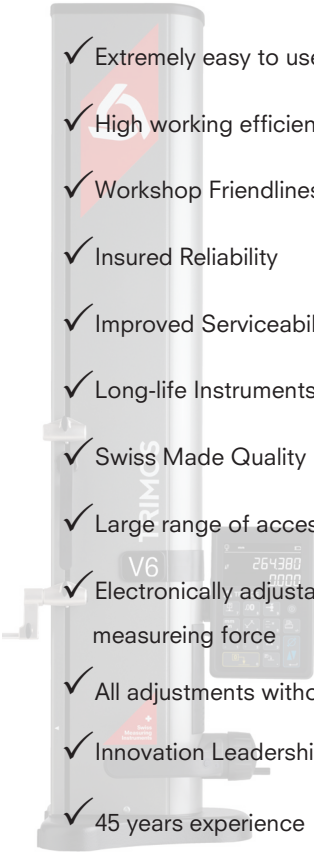




Height-Gauges



Why choose Trimos Height-gauges?

- 
- ✓ Extremely easy to use
 - ✓ High working efficiency
 - ✓ Workshop Friendliness
 - ✓ Insured Reliability
 - ✓ Improved Serviceability
 - ✓ Long-life Instruments
 - ✓ Swiss Made Quality
 - ✓ Large range of accessories
 - ✓ Electronically adjustable measuring force
 - ✓ All adjustments without tools
 - ✓ Innovation Leadership
 - ✓ 45 years experience

Applications & Features



Straightforward symbols and directly accessible functions



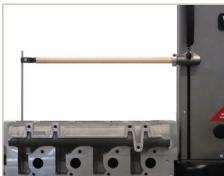
Excellent readability, Adjustable display



Height, thickness, and sequential measurement



Easy diameter and centerline measurement (SMART REVERSE)

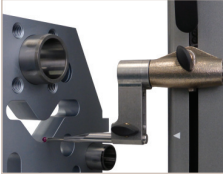


Long interchangeable probes up to 400 mm

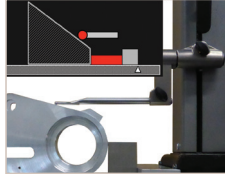


Perpendicularity guaranteed on all our instruments

Applications & Features



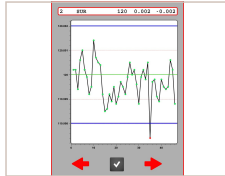
Detection of min, max points or flatness



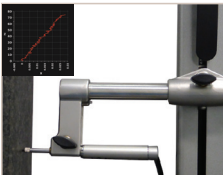
Measurement of angles & cones graphically assisted (V7, V9)



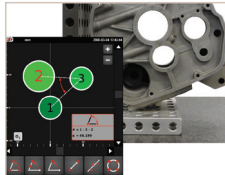
Measuring sequences for serial measurements (V7,V9)



Statistical analysis of results (V7,V9)



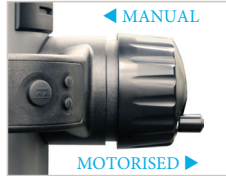
Electronic probe for perpendicularity measurement (V6, V7, V9)



Measurement in 2 coordinates with graphic interface (V7, V9)



Light / heavy probe:
quick adjustment



Manual or motor -
driven mode (V5,
V6, V7, V9)



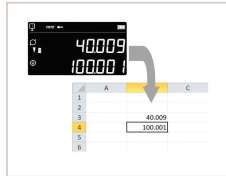
Cast iron base for
optimal stability



Large range of
accessories



All instruments
can be remote-
controlled via a PC



Data transfer via
USB, RS232,
wireless (V4÷V9)
or on memory stick

V3

Main features

- ✓ Manual
- ✓ Accuracy: 7 μm /400 mm, 8 μm /700 mm
- ✓ Measuring ranges 400 & 700 mm
- ✓ 2 μm repeatability
- ✓ «Black Mask» display with user -friendly functions
- ✓ 1 probe holder



Smart Reverse



Long probes



Sylvac measuring system



| Technical data V3 | V3 - 400 | V3 - 700 |
|--|-----------------------------|---------------------|
| Measuring range | 407 (16) mm (in) | 711 (28) mm (in) |
| Measuring range with extension | 508 (20) mm (in) | 812 (32) mm (in) |
| Max. permissible errors, B _{MPE} | 7 µm | 8 µm |
| Repeatability, R _{MPE} (2s) | 2 (Ø : 4) µm | |
| Frontal perpendicularity, S _{MPE} | 10 µm | 15 µm |
| Maximal Resolution | 0.001 (0.000005) mm (in) | |
| Measuring force | 0.75 ÷ 1.5 n | |
| Autonomy | 40 h | |
| Interfaces | USB / RS232 | |
| Air cushion | no | |
| Weight | 21 kg | 24 kg |

V4

Main features

- ✓ Manual
- ✓ Accuracy: 4.5 $\mu\text{m}/400\text{ mm}$, 6 $\mu\text{m}/700\text{ mm}$
- ✓ Measuring ranges 400 & 700 mm
- ✓ 2 μm repeatability
- ✓ Programmable keys on handle
- ✓ «Black Mask» display with user -friendly functions
- ✓ 2 probe holders
- ✓ Air cushion



Smart Reverse



Air cushion



Long probes



Sylvac measuring system



Wireless data transfer (optional)



| Technical data V4 | V4 - 400 | V4 - 700 |
|--|-----------------------------|----------------------|
| Measuring range | 407 (16) mm (in) | 711 (28) mm (in) |
| Measuring range with extension | 719 (28) mm (in) | 1023 (40) mm (in) |
| Max. permissible errors, B _{MPE} | 4.5 µm | 6 µm |
| Repeatability, R _{MPE} (2s) | 2 (Ø : 4) µm | |
| Frontal perpendicularity, S _{MPE} | 10 µm | 15 µm |
| Maximal Resolution | 0.001 (0.000005) mm (in) | |
| Measuring force | 0.75 ÷ 1.5 n | |
| Autonomy | 20 h | |
| Interfaces | USB / RS232 | |
| Air cushion | Yes | |
| Weight | 21 kg | 24 kg |

V5

Main features

- ✓ Manual and Motor-driven
- ✓ Accuracy: $2.5 + L(\text{mm})/300 \mu\text{m}$
- ✓ Measuring ranges 400, 700, 1100 mm
- ✓ $2 \mu\text{m}$ repeatability
- ✓ Programmable keys on handle
- ✓ «Black Mask» display with user -friendly functions
- ✓ 2 probe holders
- ✓ Air cushion



Smart Reverse



Manual/Motor -driven



Air cushion



Long probes



Sylvac measuring system



Wireless data transfer (optional)









| Technical data V5 | V5 - 400 | V5 - 700 | V5 - 1100 |
|-------------------------------------|---|-----------|-----------|
| Measuring range | 407 (16) mm (in) | 711 (28) | 1110 (44) |
| Measuring range with extension | 719 (28) mm (in) | 1023 (40) | 1422 (56) |
| Max. permissible errors, B_{MPE} | $2.5 + L(\text{mm})/300$ μm | | |
| Repeatability, R_{MPE} (2s) | 2 μm | | |
| Frontal perpendicularity, S_{MPE} | 5 μm | 8 | 11 |
| Maximal Resolution | 0.0005 (0.00005) mm (in) | | |
| Measuring force | 0.75 \div 1.5 n | | |
| Autonomy | 12 h | | |
| Interfaces | USB / RS232 | | |
| Air cushion | Yes | | |
| Weight | 21 kg | 24 | 33 |

V6

Main features

- ✓ Manual and Motor -driven
- ✓ Accuracy: $2 + L(\text{mm})/400 \mu\text{m}$
- ✓ Measuring ranges 400, 700, 1100 mm
- ✓ $1 \mu\text{m}$ repeatability
- ✓ Electronic probe for squareness measurements
- ✓ «Black Mask» display with user -friendly functions
- ✓ 2 probe holders
- ✓ Air cushion

-  Smart Reverse
-  Manual/Motor -driven
-  Air cushion
-  400 mm Long probes
-  Heidenhain measuring system
-  Wireless data transfer (optional)



| Technical data V6 | V6 - 400 | V6 - 700 | V6 - 1100 |
|--|-------------------------------|-----------|-----------|
| Measuring range | 407 (16) mm (in) | 711 (28) | 1110 (44) |
| Measuring range with extension | 719 (28) mm (in) | 1023 (40) | 1422 (56) |
| Max. permissible errors, B _{MPE} | μm 2 + L(mm)/400 | | |
| Repeatability, R _{MPE} (2s) | μm 1 (Ø:2) | | |
| Frontal perpendicularity, S _{MPE} | 5 μm | 8 | 11 |
| Maximal Resolution | mm (in) 0.0001 (0.0000005) | | |
| Measuring force | n 0.75 ÷ 1.5 | | |
| Autonomy | h 12 | | |
| Interfaces | USB / RS232 | | |
| Air cushion | Yes | | |
| Weight | 21 kg | 24 | 33 |

V7

Main features

- ✓ Manual and Motor -driven
- ✓ Accuracy : $2 + L(\text{mm})/400 \mu\text{m}$,
 $2.5 + L(\text{mm})/300 \mu\text{m}$ for 1800 mm
- ✓ Measuring ranges 400 to 1800 mm
- ✓ $1 \mu\text{m}$ repeatability
- ✓ Electronic probe for squareness measurements
- ✓ Adjustable touch-display with intuitive functions
- ✓ 2 probe holders
- ✓ Air cushion
- ✓ Resolution 0.0001 mm
- ✓ 2D, programming, statistics



Smart Reverse



2D



Programming/Statistics



Manual/Motor -driven



Air cushion



Long probes



Heidenhain measuring system



Wireless data transfer (optional)



| Technical data V7 | V7 - 400 | V7 - 700 | V7 - 1100 | V7 - 1800 |
|-------------------------------------|--------------------------------|-----------|-----------------|-----------|
| Measuring range | 407 (16) mm (in) | 711 (28) | 1110 (44) | 1810 (71) |
| Measuring range with extension | 719 (28) mm (in) | 1023 (40) | 1422 (56) | 2122 (83) |
| Max. permissible errors, B_{MPE} | 2 + L(mm)/400 μ m | | 2.5 + L(mm)/300 | |
| Repeatability, R_{MPE} (2s) | 1 (\emptyset :2) μ m | | | |
| Frontal perpendicularity, S_{MPE} | 5 μ m | 8 | 11 | 25 |
| Maximal Resolution | 0.0001 (0.00001) mm (in) | | | |
| Measuring force | n 0.75 \div 1.5 | | | |
| Autonomy | h 12 | | | |
| Interfaces | USB / RS232 | | | |
| Air cushion | Yes | | | |
| Weight | 22 kg | 25 | 34 | 41 |

V8

Main features

- ✓ Manual
- ✓ Accuracy: $1.2 + L(\text{mm})/1000 \mu\text{m}$
- ✓ Measuring ranges 400 to 1100 mm
- ✓ $0.4 \mu\text{m}$ repeatability
- ✓ Electronic probe for squareness measurements
- ✓ "Black Mask" display with user-friendly functions
- ✓ 2 probe holders
- ✓ Air cushion
- ✓ Resolution 0.0001 mm
- ✓ Specific handle for fine adjustment



Smart Reverse



Air cushion



Heidenhain measuring system



Wireless data transfer (optional)










| Technical data V8 | V8 - 400 | V8 - 700 | V8 - 1100 |
|-------------------------------------|--|-----------|-----------|
| Measuring range | 406 (16) mm (in) | 710 (28) | 1109 (43) |
| Measuring range with extension | 724 (28) mm (in) | 1028 (40) | 1427 (56) |
| Max. permissible errors, B_{MPE} | $1.2 + L(\text{mm})/1000$ μm | | |
| Repeatability, R_{MPE} (2s) | 0.4 (Ø:1) μm | | |
| Frontal perpendicularity, S_{MPE} | 5 μm | 8 | 11 |
| Maximal Resolution | 0.0001 (0.00001) mm (in) | | |
| Measuring force | n 0.75 ÷ 1.5 | | |
| Autonomy | h 12 | | |
| Interfaces | USB / RS232 | | |
| Air cushion | Yes | | |
| Weight | 21 kg | 24 | 33 |

V9

Main features

- ✓ Manual and Motor-driven
- ✓ Accuracy: $1.2 + L(\text{mm})/1000 \mu\text{m}$
- ✓ Measuring ranges 400 to 1100 mm
- ✓ $0.4 \mu\text{m}$ repeatability
- ✓ Electronic probe for squareness measurements
- ✓ Adjustable touch-display with intuitive functions
- ✓ 2 probe holders
- ✓ Air cushion
- ✓ Resolution 0.0001 mm
- ✓ 2D, programming, statistics

-  Smart Reverse
-  2D
-  Programming/Statistics
-  Manual/Motor -driven
-  Air cushion
-  Heidenhain measuring system
-  Wireless data transfer (optional)



| Technical data V9 | | V9 - 400 | V9 - 700 | V9 - 1100 |
|-------------------------------------|---------------|-------------------------|-----------------|------------------|
| Measuring range | mm (in) | 406 (16) | 710 (28) | 1109 (43) |
| Measuring range with extension | mm (in) | 724 (28) | 1028 (40) | 1427 (56) |
| Max. permissible errors, B_{MPE} | μm | 1.2 + L(mm)/1000 | | |
| Repeatability, R_{MPE} (2s) | μm | 0.4 (\varnothing :1) | | |
| Frontal perpendicularity, S_{MPE} | μm | 5 | 8 | 11 |
| Maximal Resolution | mm (in) | 0.0001 (0.00001) | | |
| Measuring force | n | 0.75 ÷ 1.5 | | |
| Autonomy | h | 12 | | |
| Interfaces | | USB / RS232 | | |
| Air cushion | | Yes | | |
| Weight | kg | 21 | 24 | 33 |



SMART
REVERSE
Technology



www.height-gauge.com
www.trimos.com

Trimos S.A.

Av. de Longemalle 5
CH-1020 Renens
T. +41 21 633 01 01
info@trimos.ch



www.height-gauge.com

