

Horizon Setting

Setting of Measuring Equipment with Variable Dimensions



1.

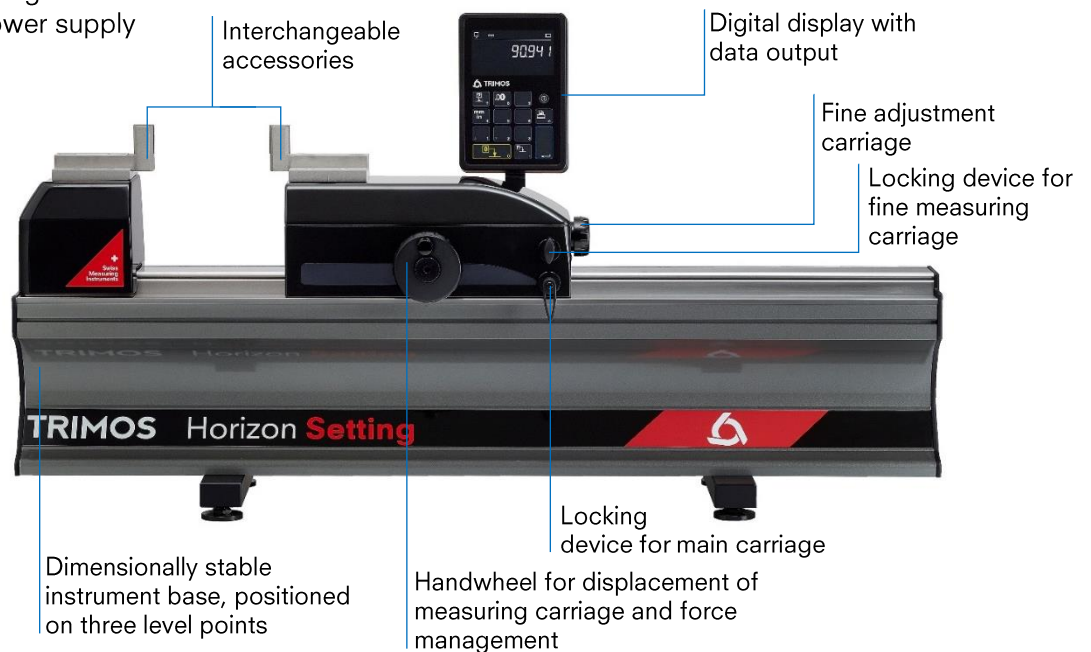
PRESENTATION

Horizon Setting is the ideal instrument for the control and calibration of measuring means with fixed and variable dimensions. Its high precision and finishing level position it as a top of the range model for workshop or laboratory use. It is the perfect answer to current needs in the manufacturing field.

This new model is based on the already well known Trimos Horizon Premium, but a new electronics and innovative display are incorporated. A modern and ergonomic design, as well as a great ease of use guarantee optimal and high productivity measuring results.

Trimos proposes a complete range of instruments from 500 mm to 3000 mm. All measuring ranges are direct, which means that the whole measuring range is available without adjustment or intermediary re-calibration. A large selection of easily interchangeable accessories completes the possible applications and guarantees a correct positioning of the instruments to be calibrated.

- Delivered with two parallel 25 mm TEL5 gauge blocks
- Robust design, ideal for use in workshop
- Very simple use
- Fast and precise checking
- Works on battery or power supply



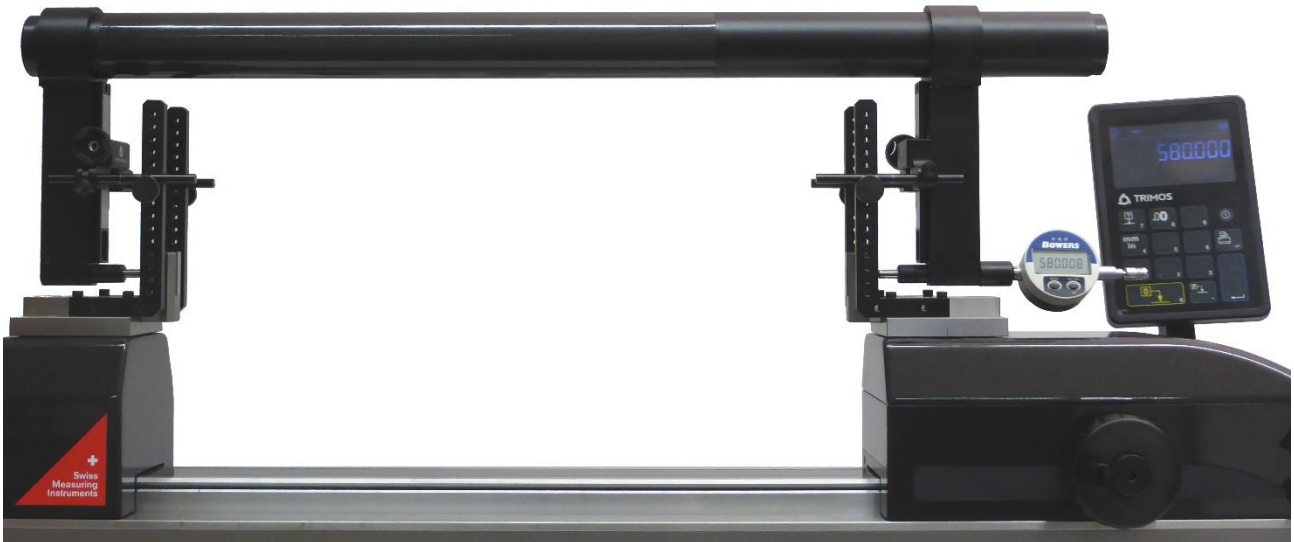
2.

SPECIALLY DESIGNED FOR SETTING

- 2 points bore gauges
- 2 points internal and external comparative measuring equipment
- Dial indicators
- Calipers

3.

FEATURES



Setting of a large gauge



Two locking devices to hold the carriage



Setting force management with indicator

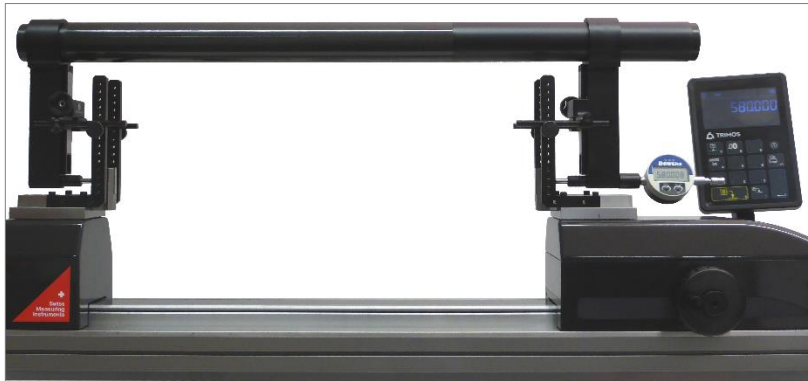
4.

TECHNICAL SPECIFICATIONS

Horizon Setting		500	1000	1500	2000	3000
Measuring range	mm (in)	550 (20)	1050 (40)	1550 (60)	2050 (80)	3050 (120)
Max. permission errors, E_{MPE}	μm	0.7+L/1000				
Repeatability, R_{MPE} (2s)	μm	0.5				
Maximal Resolution	mm (in)	0.0001 (0.00001)				
Measuring force (0 setting)	N	15				
Interfaces		USB / RS232				
Weight	kg	94	123	152	181	239
Max displacement speed	mm/s	1500				
Operational Temperature	$^{\circ}\text{C}$	+10 ÷ +40				

5.

APPLICATIONS



Setting of a large gauge



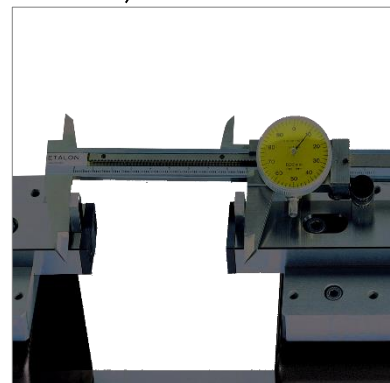
Setting of two points internal and external comparative measuring equipment (TEL5, TELMA7, TELMN7.2)



Setting of 2-point bore gauges with holder (TA-SU-313, TA-SU-318, TEL5)



Setting of 2-point bore gauges by hand (TA-SU-301, TEL5)



Checking of calipers (TEL 5.10)



Checking of external micrometer held on a support (TA-SU-313, TA-SU-309, TEL5)



Manually checking of external micrometer (TEL5) (TEL11)



Checking of dial indicator (TEL5CN)