

Horizon Setting HS5

Setting of Measuring Equipment Manual and Motorized



1.

PRESENTATION

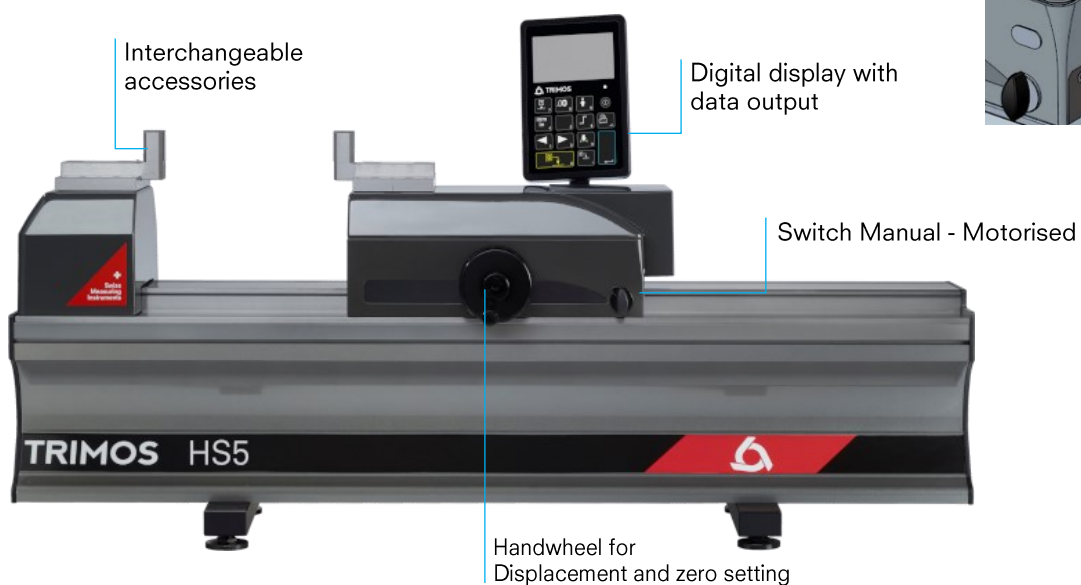
This new HS5 is the first of the setting line that can work in manual mode for fast movement or in motorized mode for very precise positioning. The mechanical fine adjustment has been replaced by a motor allowing a very precise servo control.

The HS5 is the ideal instrument for the control and calibration of measuring means with fixed 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 recalibration. 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 insert
- Robust design, ideal for use in workshop
- Very simple use
- Fast and precise checking
- Manual or motorized displacement



2.

SPECIALLY DESIGNED FOR SETTING

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

3.

FEATURES



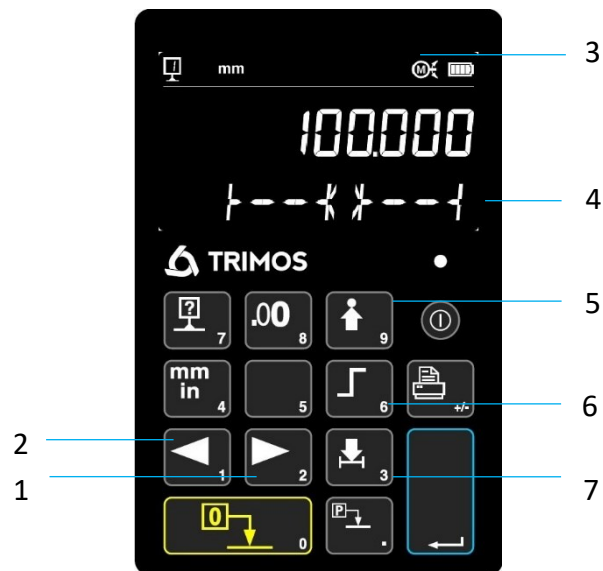
Switch ON/OFF the motor



Setting force management with indicator

Motorised Functions

1. Move to right
2. Move to left
3. Manual or Motorised
4. Motorised range
5. Move to (target)
6. Move by Step
7. Move to Center position



4.

TECHNICAL SPECIFICATIONS

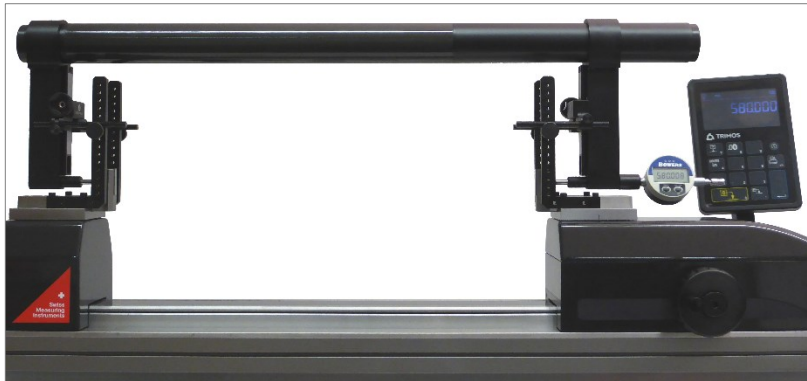
Horizon Setting HS5		HS5-500	HS5-1000	HS5-1500	HS5-2000	HS5-3000
Measuring range ¹⁾	mm	550	1050	1550	2050	3050
Max. permissible error ²⁾	µm	0.7+L/1000				
Measuring range motorised	mm	8mm (0, -1mm)				
Repeatability (2s) ²⁾	µm	0.5				
Max. resolution	mm	0.0001				
Measuring Force (0 setting)	N	15				
Interfaces		USB / RS232				
Protection IP of measuring system (CEI 60529)		IP67				
Weight	kg	94	123	152	181	239
Manual Displacement speed max.	mm/s	1.5				
Operational temperature	°C	+10 ÷ +40				
Operational humidity limit	%	20-80				

1) May vary according to accessory used.

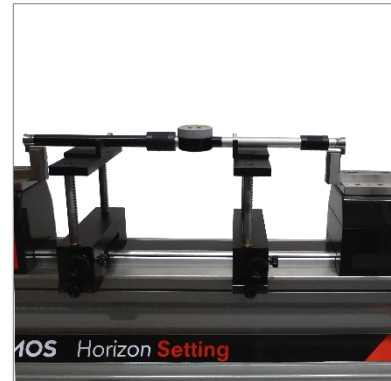
2) The values have been measured at a temperature of 20 ± 0.2 °C and relative humidity of 50 ± 5%.

5.

APPLICATIONS



Setting of a large gauge



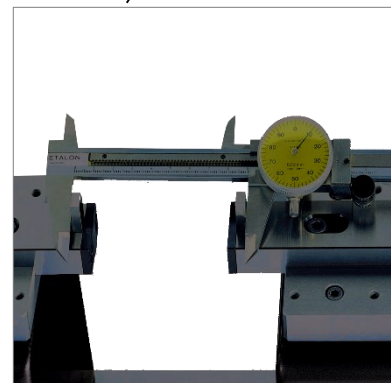
Setting of two points internal and external comparative measuring equipment (TEL5, TELMA7, TELMN7.2)



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, LABC20.1/SP02, TEL5)



Manually checking of external micrometer (TEL5, TEL11)



Checking of dial indicator (TEL5CN)