

Wireless Probe ± 5 mm, Large Measuring Range

Probes developed for devices requiring a greater freedom of movement during the measurement or for parts with large dimensions.

Bidirectional and wireless communication synchronized with the TWIN-STATION Receiver.

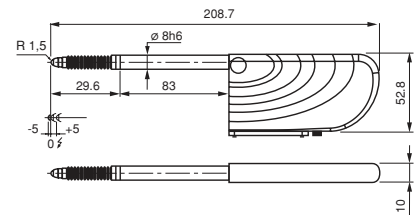
- Resolution 0,1 µm.
- Range of 8 m, depending on environment.
- TESA wireless communication protocol independent from WiFi or Bluetooth.
- Autonomy 40 hours (rechargeable battery).
- Mounting body Ø 8 mm with possibility of clamping over entire length.
- Measuring bolt mounted on ball bearing.
- Separate guide bearing on the mounting body in order not to negatively influence the movement of the measuring bolt in the event of improper clamping on the probe body.
- Level of protection IP54 according to IEC 60529.
- Wide range of measurement probes.
- The TWIN-STATION (part number 05030012) manages and synchronizes up to 8 wireless probes.
- Interface Software TIS included in supply content of the TWIN-STATION (part number 05030012): display of measured values, possibility to indicate tolerances, simple functions +A, -A, +A+B, +A-B, and export of values in a .csv file.

Note: The sales is limited to EU countries, Switzerland, USA, Canada and China.

- N** DIN 32876 Part 1
- Nickel-plated housing
Stainless steel measuring bolt, hardened. Viton = highly resistant fluoroelastomer
- A** Fixing shank Ø 8 mm. Measuring bolt guided on ball-bearing. Distance from electrical zero of both stops is either adjustable (downward) or depending on the position of the lower stop (upward). Interchangeable inserts. M2,5 thread. Carbide ball tip Ø 3 mm. Connector Mini-jack for charger.
- Mechanical max. frequency** : 60 Hz
Power supply: 100 ÷ 240 VAC, 50 ÷ 60 Hz; 240 mAh
Rechargeable battery: 3,7 V, min. 550 mAh or 800 mAh
Frequency band: 2,4 GHz
Range: 8 m, depending on environment.
- Wireless transmission, TWIN-STATION Receiver (05030012)
- ± 0,2 µm/°C
- 20 ± 0,5°C
- Protection operating envelope IP54 (IEC 60529)
- GT 61 W: 8 g
- Inspection report with a declaration of conformity



GT 61 W



GT 61 W

		Measuring range, mm	Nominal measuring force*, N	Bolt retraction	Sealing bellows
03230502	GT 61 W	± 5	0,9	Mechanical	Viton
OPTIONAL ACCESSORY:					
05030012	TWIN-STATION Interface for wireless probes				

	Max. bolt travel, mm	Maximum permissible error, µm (L in mm)	Repeatability, µm	Hysteresis, µm	Setting of lower stop of measuring bolt***, mm	Cable output	Data sheet No.	
GT 61 W	10,3	0,8 + 0,8 · L	0,24	0,5	Fixed stops lower -5 upper +5	Without cable	03200621	

* Electrical zero (N) ± 25 % deviation limit. Valid in vertical mounting position, measuring bolt lowered and in static measuring.
 ** For an amplitude of 10 % to the last value of the measuring range.
 *** Distance from electrical zero.

