

Wireless Probe ± 2 mm

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

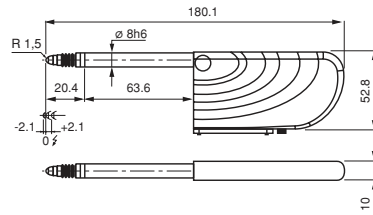
Bidirectional and wireless communication synchronized with the TWIN-STATION Receiver.

- Resolution 0,1 µm.
- Range of 8 m, depending on environment.
- TESA wireless communication protocol independent of WiFi or Bluetooth.
- Autonomy 40 hours (rechargeable battery).
- Mounting stem Ø 8 mm with clamping possible over entire length.
- Measuring bolt mounted on ball bearing.
- Ball bearing guide separated from mounting stem in order not to negatively influence the movement of the measuring bolt in the event of improper clamping of the probe body.
- Level of protection IP54 according to IEC 60529.
- Wide range of measurement inserts.
- The TWIN-STATION (part number 05030012) manages and synchronizes up to 8 wireless probes.
- Interface Software TIS included in delivery 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 as a .csv file.

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



GTL 21 W



GTL 21 W

		Measuring range, mm	Nominal measuring force*, N	Bolt retraction	Sealing bellows
03230500	GTL 21 W	± 2	0,63	Mechanical	Viton
OPTIONAL ACCESSORY:					
05030012	TWIN-STATION Interface for wireless probes				

Max. plunger travel, mm	Maximum permissible error, µm (L in mm)	Repeatability, µm	Hysteresis, µm	Setting of lower stop of the measuring bolt***, mm	Cable output	Data sheet No.	
GTL 21 W	4,3	0,4 + 0,8 · L	0,10	0,5	Fixed stops: lower -2,1 upper +2,1	Without cable	03200602

* 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.

- DIN 32876 Part 1
- Nickel-plated housing
Stainless steel measuring bolt, hardened
Viton sealing bellows = highly resistant fluoroe-lastomer
- Fixing body nickel Ø 8 mm
Stainless steel measuring bolt, hardened and ball bearing guided
Fixed upper and lower stops
Interchangeable inserts
M2,5 thread
Carbide ball Ø 3 mm
Mini jack connector 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 level IP54 (IEC 60529)
- GTL 21 W: 6g
- Inspection report with a declaration of conformity

