

## Wireless Pneumatic Probe ± 5 mm, Large Measuring Range

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

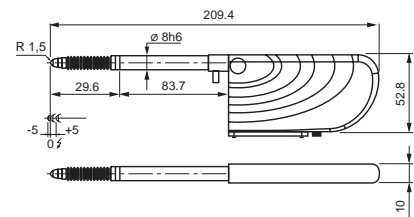
Bidirectional and wireless communication synchronized with the TWIN-STATION Receiver.

- 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 enhanced clamping over its entire length.
- Measuring bolt mounted on ball bearing.
- Separate guide bearing on the holding 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.
- Swiss made.
- 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 (art. 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 sale is limited to EU countries, Switzerland, USA, Canada and China.



GT 612 W



GT 612 W

- DIN 32876 Part 1
- See table
- Nickel-plated housing  
Stainless steel measuring bolt, hardened  
Viton sealing bellows = highly resistance fluororelastomer
- Fixing body nickel Ø 8 mm  
Stainless steel measuring bolt, hardened and ball bearing guided  
Fixed upper and lower stops  
Probe interchangeable  
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
- 10°C to 40°C
- 80 %
- Protection level IP54 (IEC 60529)
- GT 612 W: 8 g
- Transport packaging
- Identification number
- Inspection report with a declaration of conformity

		Measuring range, mm	Nominal measuring force*, N	Bolt retraction	Sealing bellows	Nominal/maximal pressure, bar
03230503	GT 612 W	± 5	2,0	Pressure (bolt activation), spring (bolt retraction)	Viton	1,1 / max. 1,5

OPTIONAL ACCESSORY:  
05030012 TWIN Station Interface for wireless probes

	Max. bolt travel, mm	Maximum permissible error (L in mm)	Repeatability, µm	Hysteresis, µm	Setting of lower stop of measuring bolt***, mm	Cable output	Data sheet No.
GT 612 W	10,3	0,8 + 0,8 · L	0,24	0,5	Fixed stops: lower -5 upper +5	Without cable	03200622

\* 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.

