

N DIN 32876 Part 1

Nickel-plated housing
Stainless steel measuring bolt, hardened
Viton sealing bellows = highly resistance fluoroelastomer

A 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

Protection level IP54 (IEC 60529)

GT 612 W: 8 g

Inspection report with a declaration of conformity

Wireless Pneumatic Probe ± 5 mm, Large Measuring Range

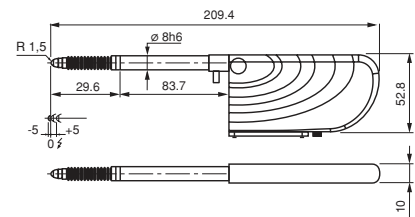
Probes developed for devices requiring a greater freedom of movement during the measurement or for pieces with large dimensions.

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.
 - 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 sales is limited to EU countries, Switzerland, USA, Canada and China.



GT 612 W



GT 612 W

		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, µm (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.

