

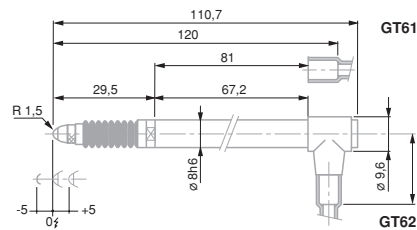
## USB Probes ± 5 mm, 10,3 mm Bolt Travel, Extended Measuring Range

USB universal probes for applications facilitated by a USB connection.

- Probes designed for long measuring travel and low resolution measurement values.
- Probe mounting body Ø 8 mm with possibility of 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 of the probe beads.
- Level of protection IP65 according to IEC 60529.
- Wide range of measurement inserts.
- TSIP software interface included in supply 1 to 4 USB probes display. Possibility of indicating tolerances, simple functions + A, -A, + A + B + AB.
- To manage more than 4 USB probes, use the DATA-DIRECT (part number 04981001) or STAT-EXPRESS software (part number 04981002), available as an option.



GT 61 USB



GT 61 USB / GT 62 USB



TSIP Software

No	=	Measuring range, mm	Nominal measuring force*, N	Bolt retraction	Sealing bellows
03230204	GT61 USB	± 5	0,90	Mechanical	Viton
03230205	GT62 USB	± 5	0,90	Mechanical / vacuum	Viton

	=	Measuring bolt travel, mm	Max. permissible error, µm (L in mm)	Repeatability, µm	Hysteresis, µm	Settings of lower stop of bolt***, mm	Cable output	Data sheet No.
GT61 USB		10,3	0,8 + 0,8 · L	0,24	0,5	Fixed stops: lower -5,0 upper +5,0	Axial	03200591
GT62 USB		10,3	0,8 + 0,8 · L	0,24	0,5	Fixed stops: lower -5,0 upper +5,0	Radial	03200592

\* 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.

- N** DIN 32876 Part 1
- Star** Nickel-plated housing. Stainless steel measuring bolt, hardened. Viton sealing bellows = 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. Cable length 2,9 m. USB type A connector. 5-pin DIN 45322 connector.
- Star** Max. mechanical frequency 60 Hz  
Power consumption: 70 mAh  
Normal measurement interval = 80ms (maximum accuracy)  
Minimum measurement interval = 20ms (fastest transfer data).  
Stabilisation time after power on = 12 min
- Star** 0,09 µm/°C
- Star** 20 ± 0,5°C
- Star** IP65 (IEC 60529)
- Star** Mobile weight: 8 g
- Star** Inspection report with a declaration of conformity

