

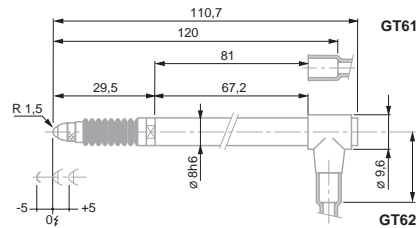
USB Probes ± 5 mm, 10,3 mm Bolt Travel, Extended Measuring Range

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 DataDirect (part number 04981001) or StatExpress 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.



DIN 32876 Part 1



See table



Nickel-plated housing, Stainless steel measuring bolt, hardened. Viton sealing bellows = highly resistant fluor elastomer



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.



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



0,09 µm/°C



20 ± 0,5°C



10°C to +40°C



80 %



IP65 (IEC 60529)



Mobile weight: 8 g



Transport packaging



Identification number



Inspection report with a declaration of conformity

