

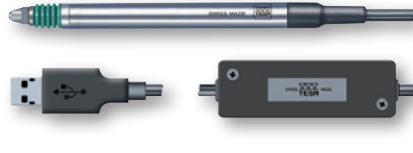
USB Probes ± 2 mm, 4,3 mm Range

Universal probes for applications aided by a USB connection.

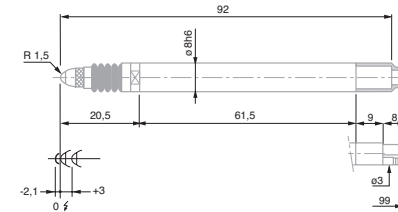
- Probe mounting body Ø 8 mm with enhanced clamping over its entire length.
- Measuring bolt mounted on ball bearing.
- Separate guide bearing on the mounting body in order not to negatively influence the movement of the measuring bolt in the event of improper clamping of the probe beads.
- Level of 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 and simple functions + A, -A, + A + B + AB.
- To manage more than 4 probes USB, use the DATA-DIRECT (part number 04981001) or STAT-EXPRESS software (part number 04981002), available as an option.



TSIP Software



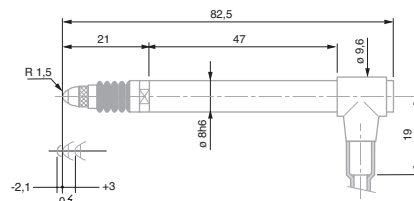
GTL 21 USB



GTL 21 USB



GTL 22 USB



GTL 22 USB

- DIN 32876 Part 1
- Nickel-plated housing. Stainless steel measuring bolt, hardened. Viton sealing bellows = highly resistant fluoroelastomer
- Fixing body Ø 8 mm. Measuring bolt guided on ball bearing. Fixed upper and lower stops. Interchangeable inserts. M 2,5 thread. Carbide ball Ø 3 mm. Cable length: 2,9 m. USB Type A plug connector
- Max. mechanical frequency** 60 Hz. Consumption: 70 mAh, 5V. Normal measuring interval = 80ms (optimal accuracy). Minimal measuring interval = 20ms (most rapid transfer of data). Stabilisation time after switching power on = 12 min.
- 0,2 µm/°C
- 20 ± 0,5°C
- IP65 (IEC 60529)
- Mobile weight: 6 g
- Inspection report with a declaration of conformity

		Measuring range, mm	Nominal measuring force*, N	Bolt retraction	Sealing bellows
03230200	GTL21 USB	± 2	0,63	Mechanical	Viton
03230201	GTL 22 USB	± 2	0,63	Mechanical / vacuum	Viton

	Measuring bolt travel, mm	Max. permissible error, µm (L in mm)	Repeatability, µm	Hysteresis, µm	Setting of lower stop of measuring bolt*** mm	Cable output	Data sheet No.
GTL21 USB	4,3	0,4 + 0,8 · L	0,1	0,5	Fixed stops: lower -2,0 upper +2,0	Axial	03200587
GTL 22 USB	4,3	0,4 + 0,8 · L	0,1	0,5	Fixed stops: lower -2,0 upper +2,0	Radial	03200588

* 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.