

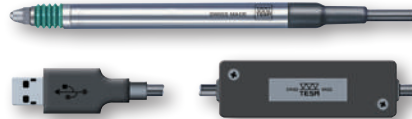
USB Probes ± 2 mm, 4,3 mm Range

Universal probes for applications aided by a USB connection.

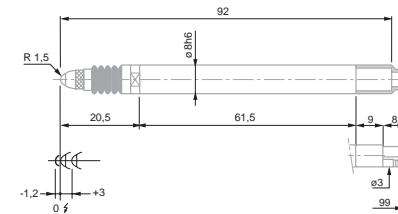
- Probe mounting body Ø 8 mm with enhanced clamping over its entire length.
- Measuring bolt mounted on ball bearing.
- Separate guide bearing on the mounting body in order not to negatively influence the movement of the measuring bolt in the event of improper clamping of the probe beads.
- Level of 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 DataDirect (part number 04981001) or StatExpress software (part number 04981002), available as an option.



TSIP Software



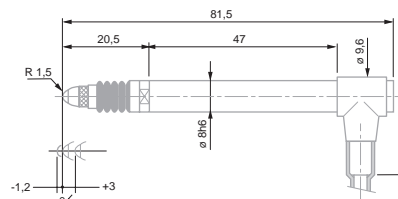
GTL 21 USB



GTL 21 USB



GTL 22 USB



GTL 22 USB

No	=	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.



DIN 32876 Part 1



See table



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



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



10°C to 40°C



80 %



IP65 (IEC 60529)



Mobile weight: 6 g



Transport packaging



Identification number



Inspection report with a declaration of conformity

