TESA TECHNOLOGY

USB Pneumatic Probes ± 1,5 mm, 3,1 mm Bolt Travel

Universal probes for applications facilitated by a USB connection

- Mounting body Ø 8 mm with possibility of clamping over its entire length.
- Measuring rod 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 of protection IP65 or IP50 according to IEC 60529.
- Wide range of measurement inserts.
- TSIP software interface included in supply: display 1 to 4 USB probes. 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.

DIN 32876 Part 1

See table

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

Fixing shank Ø 8 mm. Measuring bolt on ball bearing guide. Fixed lower and upper stops. Interchangeable measuring insert. Thread M2,5. Carbide ball Ø 3 mm Cable length: 2,9 m USB type A 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. Remark: Compressed air supply must be generated through a filter and precision regulator. The air should have a humidity of < 60 % and be filtered to < 0,5 µm.

0,2 µm/°C

20 ± 0,5°C

10°C to 40°C

80 %

IP65 (IEC 60529) or IP50 for GTL 222-A

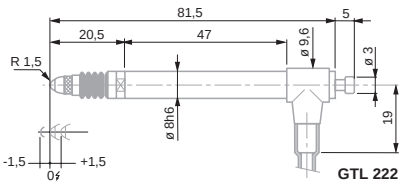
Mobile weight: 6 g

Transport packaging

Identification number

Inspection report with a declaration of conformity

GTL 222 USB



GTL 222 USB

TSIP Software

NO		Measuring range, mm	Nominal measuring force*, N	Bolt retraction	Sealing bellows	Nominal/ Maximal Pressure, bar
03230202	**GTL222 USB**	± 1,5	1,2	Pressure (bolt activation), spring (bolt retraction)	Viton	0,7 / max 1,0

	Measuring bolt travel, mm	Max. permissible error, µm (L in mm)	Repeatability, µm	Hysteresis, µm	Cable output	Data sheet No.
GTL222 USB	3,1	0,4 + 0,8· L	0,1	0,5	Radial	03200589

* 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.