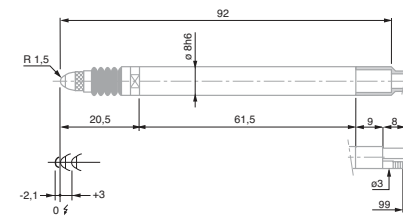


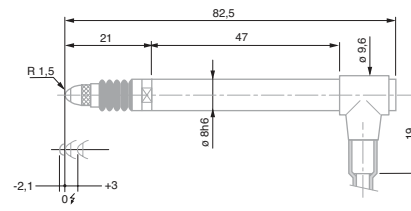
## Standard Probes ± 2 mm, 4,3mm Bolt Travel, Linear Travel

Universal probes for standard and continual usage applications.

- Probe housing Ø 8 mm with possibility of clamping over its entire length.
- Measuring bolt mounted on a ball bearing.
- Both the probe housing and ball-bearing guide are separate from one another, so that the measuring bolt moves easily even if the probe is not clamped appropriately.
- Degree of protection IP65 according to IEC 60529.
- Wide range of accessories including measuring inserts, spring sets, etc.
- LVDT probes compatible with measuring equipment from other makers available on request.



GTL 21  
GTL 211



GTL 22



GTL 21  
GTL 211



GTL 22

			Measuring range, mm	Nominal measuring force*, N	Measuring bolt retraction	Sealing bellows
03230057	GTL 21	± 2	0,63	Mechanical	Viton	
03230072	GTL 211	± 2	0,63	Mechanical / vacuum	Viton	
03230056	GTL 22	± 2	0,63	Mechanical / vacuum	Viton	

	Measuring bolt travel, mm	Max. permissible error for deviation in linearity, µm (L in mm)	Repeatability, µm	Hysteresis, µm	Setting of measuring bolt lower stop***, mm (factory setting)	Cable output	Data Sheet No.
GTL 21	4,3	0,2 + 2,4 · L <sup>2</sup> (BPX: 0,2 + 0,8 · L)	0,01	0,02	-2,2 to 0,1 (factory setting -2,1)	Axial	03200391
GTL 211	4,3	0,2 + 2,4 · L <sup>2</sup> (BPX: 0,2 + 0,8 · L)	0,01	0,02	-2,2 to 0,1 (factory setting -2,1)	Axial	03200435
GTL 22	4,3	0,2 + 2,4 · L <sup>2</sup> (BPX: 0,2 + 0,8 · L)	0,01	0,02	-2,2 to 0,1 (factory setting -2,1)	Radial	03200392

\* 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
- Nickel-plated housing. Stainless steel measuring bolt, hardened. Viton sealing bellows = highly resistant fluoroelelastometer
- 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. 2 m long cable. 5-pin DIN 45322 connector.
- Supply frequency: 13 kHz (± 5 %) Max. mechanical frequency\*\* 60 Hz.
- 0,2 µm/°C
- 20 ± 0,5°C
- Protection level IP65 (IEC 60529)
- Mobile weight: 6 g
- Inspection report with a declaration of conformity

