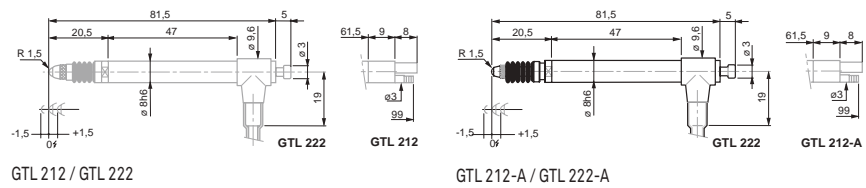


Pneumatic Probes ± 1,5 mm, 3,2 mm Bolt Travel, Linear

Probes for use with measuring fixtures or inspection machines integrating semi-automated or automated measuring routines.

- 8 mm diameter probe housing. Can be clamped 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, etc.
- LVDT probes compatible with measuring equipment from other makers available on request.



GTL 222



GTL 212



GTL 212-A



GTL 222-A

- DIN 32876 Part 1
- See table
- Nickel-plated housing. Stainless steel measuring bolt, hardened. Viton sealing bellows = highly resistant fluoroelelastomer
- 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
- 10°C to 65°C
- 80 %
- Protection level: IP65 (IEC 60529) or IP50 for GTL 212-A and GTL 222-A
- Mobile weight: 6 g
- Transport packaging
- Identification number
- Inspection report with a declaration of conformity

No	=	Measuring range, mm	Measuring force, nominal*, N	Measuring bolt retraction	Sealing bellows	Nominal/Maximal pressure, bar
03230060	GTL 212	± 1,5	1,2	Pressure (bolt activation), spring (bolt retraction)	Viton	0,7 / max 1,0
03230054	GTL 222	± 1,5	1,2	Pressure (bolt activation), spring (bolt retraction)	Viton	0,7 / max 1,0
03230067	GTL 212-A	± 1,5	0,2	Pressure (bolt activation), spring (bolt retraction)	Without bellows	0,25 / max 6,0
03230063	GT 222-A	± 1,5	0,2	Pressure (bolt activation), spring (bolt retraction)	Without bellows	0,25 / max 6,0

=	Measuring bolt travel, mm	Max. permissible error for deviations in linearity, µm (L in mm)	Repeatability, µm	Hysteresis, µm	Cable output	Data Sheet No.
GTL 212	3,2	0,2 + 2,4 · L ² (BPX: 0,2 + 0,8 · L)	0,015	0,02	Axial	03200413
GTL 222	3,2	0,2 + 2,4 · L ² (BPX: 0,2 + 0,8 · L)	0,015	0,02	Radial	03200393
GTL 212-A	3,2	0,2 + 2,4 · L ² (BPX: 0,2 + 0,8 · L)	0,015	0,02	Axial	03200430
GT 222-A	3,2	0,2 + 2,4 · L ² (BPX: 0,2 + 0,8 · L)	0,015	0,02	Radial	03200422

* 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.

