

Standard Probes, ± 2 mm, 10,3 mm Travel, with Long Retraction Travel

Universal inductive probes for various applications, especially for use with multi-gauging inspection fixtures.

- Long retraction travel to prevent the probe from being damaged.
- Protection level IP65 as per IEC 60529.
- Large choice of accessories: measuring inserts, spring sets, etc.
- LVDT probes compatible with measuring equipment from other suppliers also available on request.



DIN 32876 Part 1



See table



Nickel-plated housing. Stainless steel measuring bolt, hardened. Viton bellows = high-resistance fluor elastomer



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.



0,15 µm/°C



20 ± 0,5°C



-10°C to 65°C



80 %



Protection level IP65 (IEC 60529)



Mobile weight: 8 g



Transport packaging



Identification number



Inspection report with a declaration of conformity



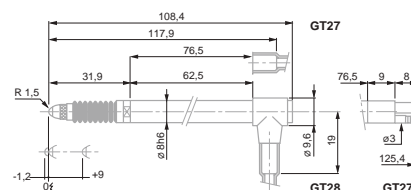
GT 27



GT 271



GT 28



GT 27/ 28
GT 271

NO	=	Table	Hand	Lightning bolt	Sealing bellows
		Measuring range, mm	Nominal measuring force*, N	Measuring bolt retraction	
03230027	GT 27	± 2	0,63	Mechanical	Viton
03230073	GT 271	± 2	0,63	Mechanical / vacuum	Viton
03230026	GT 28	± 2	0,63	Mechanical / vacuum	Viton

=	Table	0/3	Table	Table	A in triangle	Lightning bolt	Warning triangle
Measuring bolt travel, mm	Max. permissible error for deviations in linearity, µm (L in mm)	Repeatability, µm	Hysteresis, µm	Setting of measuring bolt lower stop***, mm (factory setting)	Cable output	Data Sheet No.	
GT 27	10,3	0,2 + 3 · L ³	0,05	0,05	-2,2 to 0,1 (factory setting -1,2)	Axial	03200251
GT 271	10,3	0,2 + 3 · L ³	0,05	0,05	-2,2 to 0,1 (factory setting -1,2)	Axial	03200436
GT 28	10,3	0,2 + 3 · L ³	0,05	0,05	-2,2 to 0,1 (factory setting -1,2)	Radial	03200252

* 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

