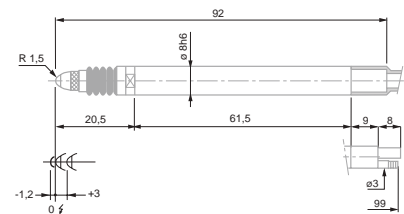


GT 21 HP High Precision Probes, ± 0,2 mm, 4,3 mm Travel

- Universal probe for common and continuous use applications.
- Very high precision probe suited for the measurement of gauge blocks.
- 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.
- Level 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.



GT 21 HP



GT 21 HP

- DIN 32876 Part 1
- See table
- Nickel-plated housing. Stainless steel measuring bolt, hardened. Nitrile sealing bellow = resistant 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 40°C
- 80 %
- Protection level IP65 (IEC 60529)
- Mobile weight: 6 g
- Transport packaging
- Identification number
- Inspection report with a declaration of conformity

03230036	GT 21 HP	Measuring range, mm	Measuring force, nominal*, N	Bolt retraction	Sealing bellows
		± 0,2	0,63	Mechanical	Nitrile

GT 21 HP	Measuring bolt travel, mm	Max. permissible error for deviations in linearity, µm (L in mm)	Repeatability, µm	Hysteresis, µm	Setting of lower stop of measuring bolt***, mm (factory setting)	Cable output	Data Sheet No.
	4,3	07 + 0,4 · L	0,01	0,01	-2,2 to +0,1 (factory setting -1,2)	Axial	03200264

* 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.

