

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

**N** DIN 32876 Part 1

**☆** Nickel-plated housing. Stainless steel measuring bolt, hardened. Nitrile sealing bellow = resistant elastomer

**A** 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

**🌧️** Protection level IP65 (IEC 60529)

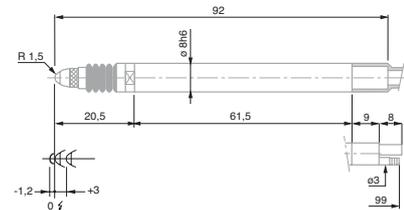
**👤** Mobile weight: 6 g

**📄** Inspection report with a declaration of conformity

- 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

<b>No</b>	<b>=</b>	<b>📊</b>	<b>👤</b>	<b>⚡</b>	<b>☆</b>
		Measuring range, mm	Measuring force, nominal*, N	Bolt retraction	Sealing bellows
03230036	GT 21 HP	± 0,2	0,63	Mechanical	Nitrile

<b>=</b>	<b>📊</b>	<b>0±</b>	<b>↕</b>	<b>🕒</b>	<b>A</b>	<b>⚡</b>	<b>⚠️</b>
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.	
GT 21 HP 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.



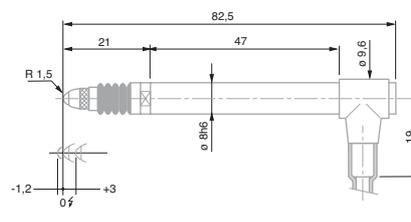
## GT 22 HP High Precision Probe, ± 0,2 mm, 4,3 mm Travel

Universal probe for standard and continuous use applications.

- Very high precision probe suitable 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 22 HP



GT 22 HP

03230021	GT 22 HP	Measuring range, mm	Measuring force, nominal*, N	Bolt retraction	Sealing bellows
		± 0,2	0,63	Mechanical / vacuum	Nitrile

Measuring travel, mm	Max. permissible error for deviations in linearity, µm (L in mm)	Repeatability, µm	Hysteresis, µm	Setting of lower stop of the measuring bolt***, mm (factory setting)	Cable output	Data Sheet No.	
GT 22 HP 4,3	0,07 + 0,4 · L	0,01	0,01	-2,2 to +0,1 (usine -1,2)	Radial	03200265	

\* 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. Nitrile sealing bellows = 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
- Protection level IP65 (IEC 60529)
- Mobile weight: 6 g
- Inspection report with a declaration of conformity

