

Standard Probes ± 5 mm, 10,3 mm Bolt Travel, Extended Range

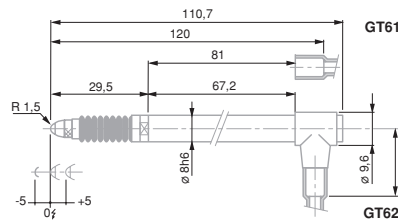
- Designed for long measuring travels and low resolution of values
- Specially suited for use on multigauging inspection fixtures.
- Correction factor applied to get the true value is 2,5x (10x for the S probe version).
- Protection level IP 65 as per IEC 60529.
- Large choice of accessories: Measuring inserts, spring sets, etc.
- LVDT probes compatible with measuring equipment from other suppliers also available on request.



GT 61



GT 62



GT 61 / GT 62

- N** DIN 32876 Part 1
- S** Nickel-plated housing. Stainless steel measuring bolt, hardened. Viton bellows = highly resistant fluoroelastomer
- 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.
- S** Supply frequency: 13 kHz (± 5 %) Max. mechanical frequency** 60 Hz.
- T** 0,09 µm/°C
- H** 20 ± 0,5°C
- J** Protection level IP65 (IEC 60529)
- M** Mobile weight: 8 g
- R** Inspection report with a declaration of conformity

| | No | = | | ⚡ | ✖ | ✖ |
|----------|-----------|---------------------|-----------------------------|---------------------------|-----------------|----------|
| | | Measuring range, mm | Nominal measuring force*, N | Measuring bolt retraction | Sealing bellows | |
| 03230041 | GT 61 | ± 5 | 0,90 | Mechanical | Viton | |
| 03230042 | GT 62 | ± 5 | 0,90 | Mechanical / vacuum | Viton | |

| | = | | ⚡ | ⚡ | ⚡ | A | ✖ | ⚠ |
|-------|---------------------------|------------------------------------------------------------------|-------------------|----------------|----------------------------------------------|--------------|----------------|----------|
| | Measuring bolt travel, mm | Max. permissible error for deviations in linearity, µm (L in mm) | Repeatability, µm | Hysteresis, µm | Measuring bolt***, mm (factory setting) | Cable output | Data Sheet No. | |
| GT 61 | 10,3 | 1 + 4 · L (BPX: 0,2 + 0,8 · L) | 0,05 | 0,05 | Lower - 5,1 upper + 5,2 (factory setting -5) | Axial | 03200294 | |
| GT 62 | 10,3 | 1 + 4 · L (BPX: 0,2 + 0,8 · L) | 0,05 | 0,05 | Lower - 5,1 upper + 5,2 (factory setting -5) | Radial | 03200295 | |

* 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.

