

# TESA Axial Probes with Extended Measuring Range

## Standard Probes

Designed for long travels and low resolutions – Specially suited for use on multigauging devices.

- Correction factor applied to get the true value is 2,5x (10x for the S probe version).

LVDT probes compatible with measuring equipment from other makers also available on request.

### GT 61 probes with axial cable exit



GT 62

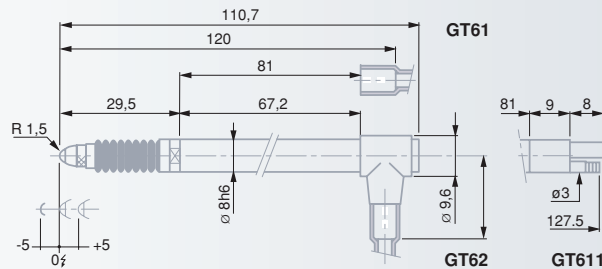
GT 61

			Measuring range (mm)	N*	Measuring bolt retraction	Sealing bellows
<i>Standard probes</i>						
03230041	GT 61	± 5	0,9	mechanical	Viton	
S32070041	GT 61S	± 5	0,9	mechanical	Viton	
03230074	GT 611	± 5	0,9	vacuum	Viton	

### GT 62 probes with radial cable exit

			Measuring range (mm)	N*	Measuring bolt retraction	Sealing bellows
<i>Standard probes</i>						
03230042	GT 62	± 5	0,9	vacuum	Viton	
S32070042	GT 62S	± 5	0,9	vacuum	Viton	
S32080861	GT62	± 5	0,16	mechanical	none	

\* Nominal value at electrical zero, max. ± 25%. Valid for upright assembly position, with downward oriented measuring bolt, as well as in static measuring.



		Measuring bolt stops** lower stop (mm) upper stop (mm)	mm	µm	µm	µm***	Technical data sheets
GT 61		-5,1 5,2	10,3	0,05	0,05	1 + 4 · L	03200294
GT 611		-5,1 5,2	10,3	0,05	0,05	1 + 4 · L	03200437
GT 62		-5,1 5,2	10,3	0,05	0,05	1 + 4 · L	03200295

\*\* Distance from electrical zero. \*\*\* Linearity related max. perm. errors (L in mm).



DIN 32876 Part 1

See in the tables

Any position of use

Signal combination with probes having a standard resolution may require your special attention to needed correction

8 mm dia. fixing shank. Ball-bearing measuring bolt

Both lower and upper stops are fixed.

Interchangeable measuring insert with a 3 mm dia. tungsten carbide ball tip. M2,5 thread.

2 m long cable.

5-pin DIN 45322 connector.

Nickel-plated housing. Stainless steel

measuring bolt, hardened.

Viton bellows in high-resistance elastomer

Moved mass 8 g

13 kHz (± 5%) drive frequency.

Highest mechanical frequency to 60 Hz.

0,09 µm/°C

20 ± 0,5°C

-10°C to 65°C

80%

IP65 (IEC 60529)

Shipping packaging

Identification number

Inspection report with a declaration of conformity

