TESA® GT 31 Lever Type Probes

Probes with inclinable insert for measuring in two directions – Ideally suited for use where probes with axial displacement of the measuring bolt are found awkward to use.

- *Ball-bearing balanced lever.*
- *Interchangeable measuring insert fitted with a tungsten carbide ball tip and inclinable through 180 °.*
- *Automatic reversal of the probing direction while the direction of the indication remains unchanged.*
- *Protected against shocks by 2 safety clutches.*
- *One-piece housing provided with 2 dovetails.*

✓

DIN 32876 Part 1

± 0,3 mm

Lever probe usable in any position

2 dovetail attachments

Both lower and upper bolt endstops are fixed

Selectable measuring inserts, stainless steel shank fitted with a 2 mm carbide ball tip.
For all other inserts, see under optional accessories on the next pages.

Cable length: 2 m

5-pin plug DIN 45322

All-metal housing with matt-chromium finish

Moving mass: 12 g

Drive frequency 13 kHz (± 5 %)

Mechanical frequency limit: 25 Hz

20 ± 0,5 °C

5 °C to 60 °C

80 %

Protection IP40 (IEC 60529)

Equipped with one 2 mm dia. insert No. 32.60410, . and one 8 mm dia. fixing shank No. 18.40105

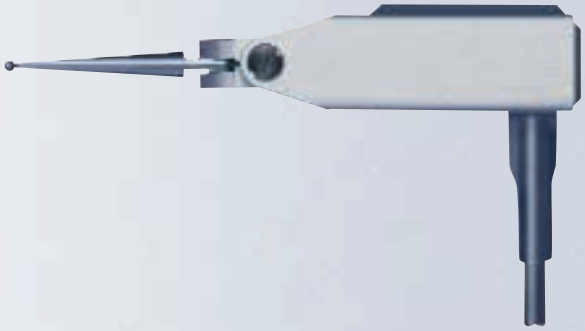
Transport packing

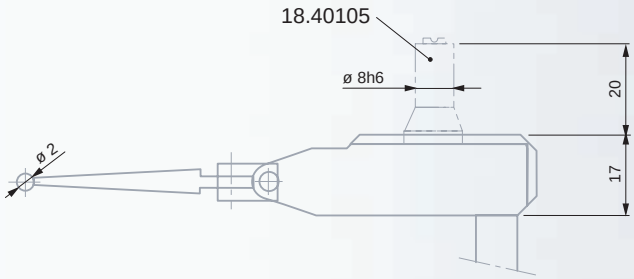
Identification number

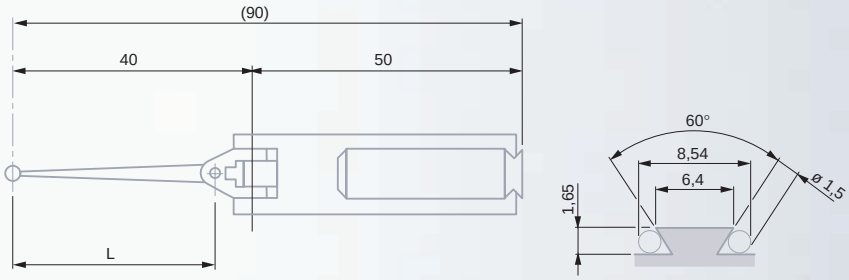
Inspection report with a declaration of conformity

No		Measuring range / mm	N *
32.10802	**GT 31**	± 0,3	**0,1** (Standard)
32.10801	**GT 31**	± 0,3	**0,02**
32.10803	**GT 31**	± 0,3	**0,2**

* Nominal value at electrical zero; max. deviation ± 25 %. Valid with both probe housing and lever lying horizontally as well as in static measuring.

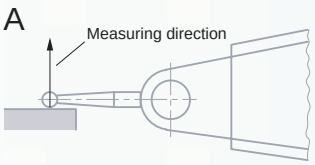


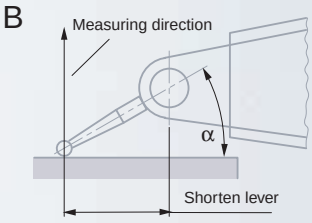




	mm	µm	µm	µm **	Technical data sheets
GT 31	0,7	0,1	0,25	0,2 + 50 · L^2	32.00266

** Max perm. errors applicable to the linearity errors (L in mm).





Note:
If the measuring insert is lying parallel to the workpiece surface (Fig. A), the leverage is 1:1 so that the values as measured need not be corrected.
Any other position (angle α in Fig. B) will change the effective length of the lever. Therefore, all read values must be corrected. With regard to this, also report to the instructions for use that came with your electronic probes.