DIN 32876 Part 1

See table

Nickel-plated housing. Stainless steel measuring bolt, hardened. Sealing bellows: Nitrile = resistant elastomer.

Probe body Ø 8 mm. Measuring bolt guided on ball bearing.. Adjustable distance between lower bolt and electrical zero. Interchangeable measuring insert. Thread M2,5. Carbide ball tip Ø 3 mm. Cable length: 2 m DIN 45322 5-pin connector.

Supply frequency: 13 kHz (± 5 %) Max. mechanical frequency**: 60 Hz..

0,025 µm/°C

20 ± 0,5°C

0°C to 60°C

Level of protection: IP65 (IEC 60529)

Mobile weight: 1,9 g (Series 439) Mobile weight: 3,0 g (Series 451)

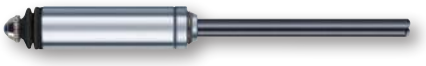
Transport packaging

Identification number

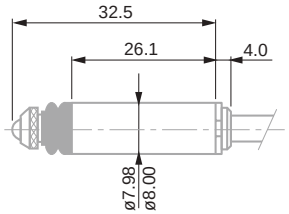
# *Probes, Unbranded Execution, Series 430 and 451, ± 0,5 mm, 1,25 et 2,10 mm Measuring Bolt Travel, Miniature*

Their compact size and robust construction make them the ideal probes for a frequent use.

- Probe body Ø 8 mm.
- Clamping possible over its entire length.
- Measuring bolt on ball bearing guide.
- Hard chrome-plated probe body, hardened steel.
- Level of protection: IP62 as per IEC 60529.
- Probes compatible with measuring equipment from other suppliers also available on request.

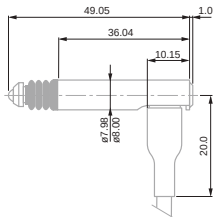


430




430

451




451

| | | Measuring range, mm | Nominal measuring force*, N | Bolt retraction | Sealing bellows |
|---|---|---|---|---|---|
| **96430029** | **430** | ± 0,5 | 0,75 | Mechanical | Nitrile |
| **96441041** | **451** | ± 0,5 | 0,60 | Mechanical | Nitrile |

| | Measuring bolt travel, mm | Max. permissible error for deviations in linearity, µm (L in mm) | Repeatability, µm | Setting of lower stop of measuring bolt***, mm (factory setting) | Cable output | Data sheet Nb |
|---|---|---|---|---|---|---|
| **430** | 1,25 | 0,2 % (for a measuring span of ± 0,5 mm) | 0,2 | Adjustable from -0,7 to 0 (factory setting -0,58) | Axial | F96430029 |
| **451** | 2,10 | 0,2 % (for a measuring span of ± 0,5 mm) | 0,1 | Fixed stops (factory setting: -0,58) | Radial | F96441041 |

* 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.