

Electronic length measuring probe with half bridge, DC design With DC analogue output

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 TESA

Application

Suitable for applications in multi-point measuring technology. For direction connection to an SPC measuring computer, interface with an analogue input or to a computer with an analogue card.

Execution

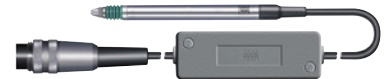
- Precise, ball-guided measuring pin
- Clamping shaft diameter 8 mm, can be clamped along entire length
- Carbide gauge slide M2.5 with ball diameter 3 mm
- 5-pin connector in line with DIN 45322, 2.9 m cable
- Supply voltage ± 10 to ± 15 V DC

Delivery

Measuring probe, test report with declaration of conformity

Notes

Length measuring probe with ± 2 V/mm, ± 5 V/mm and ± 10 V/mm sensitivity on request



Technical Data

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| Product number | 1001331 833 |
| Model | GTL 21 DC |
| Max. spindle travel | 4.3 mm |
| Cable output direction | Axial |
| Material of bellows | Viton |
| Spindle lift | Mechanical |
| Measuring span of electronic length measuring technology | 4 mm |
| Measuring range of electronic length measuring technology | +/- 2 mm |
| Measurement force | 0.63 N |
| Max. linearity error (L in mm, measured from electric zero point) | $0.2 \mu\text{m} + (3.5 \times L^2) \mu\text{m}$ |
| Repetition standard deviation acc. to DIN 1319 | 0.1 μm |
| Sensitivity | 1 V/mm |
| Output voltage (+/-) | 2 V/DC |
| Manufacturer Part Number | 03230059 |
| EAN Code | 7630041112733 |
| Commodity Code | 90319000 |



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