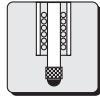


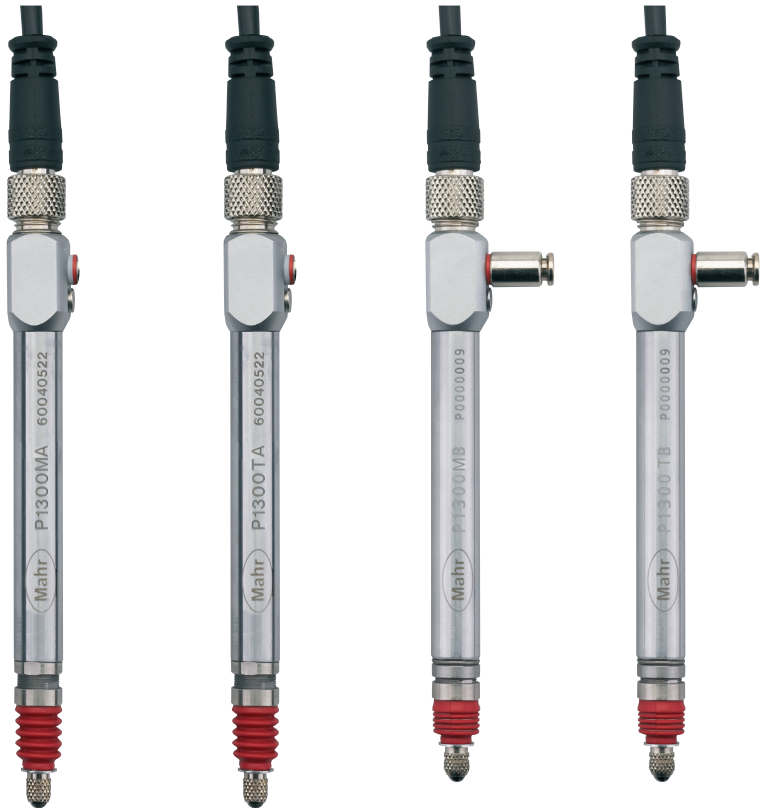
Inductive Probe Millimar P1300 M / T Half Bridge

Features

- Supplied with:
Inductive Probe P1300
Connection cable 2.5 m
Screwed sealing plug
Hose connector for compressed air
Open-ended spanner
Operating instructions



Cable and probe can be separated with the plug-in connector.



Technical Data

| Probe type | P1300 MA | P1300 TA | P1300 MB | P1300 TB |
|---|---|--------------------------------------|---|--------------------------------------|
| Measuring range | $\pm 2.0 \text{ mm} / \pm 0.079''$ | | | |
| Distance of lower stop ¹⁾ | $- 2.2 \dots 0 \text{ mm} / - 0.09 \dots 0''$ | | | |
| Distance of upper stop ¹⁾ | $+ 2.2 \dots 4.4 \text{ mm} / + 0.09 \dots 0.173''$ | | | |
| Lifter/Retraction | Vacuum Lifter (Standard option) | | Compressed Air Retraction (max. 1 bar) | |
| Measuring force at electrical zero point | $0.75 \text{ N} / \pm 0.15 \text{ N}^2)$ | | depending upon air pressure | |
| Increase in measuring force | $0.3 \text{ N} / \text{mm}$ | | - | |
| Sensitivity deviation | 0.3% | | | |
| Repeatability f_w | $0.1 \mu\text{m} / 4 \mu\text{in}$ | | | |
| Hysteresis f_u | $0.5 \mu\text{m} / 20 \mu\text{in}$ | | | |
| Linearity deviation with revised sensitivity | | | | |
| within range $\pm 0.5 \text{ mm}$ | $0.4 \mu\text{m} / 16 \mu\text{in}$ | $1.0 \mu\text{m} / 40 \mu\text{in}$ | $0.4 \mu\text{m} / 16 \mu\text{in}$ | $1.0 \mu\text{m} / 40 \mu\text{in}$ |
| within range $\pm 1.0 \text{ mm}$ | $1.5 \mu\text{m} / 60 \mu\text{in}$ | $3.0 \mu\text{m} / 120 \mu\text{in}$ | $1.5 \mu\text{m} / 60 \mu\text{in}$ | $3.0 \mu\text{m} / 120 \mu\text{in}$ |
| within range $\pm 2.0 \text{ mm}$ | $3.0 \mu\text{m} / 120 \mu\text{in}$ | not specified | $3.0 \mu\text{m} / 120 \mu\text{in}$ | not specified |
| Protection class according to IEC 60529 | IP64 | | | |
| Length of cable | $2.5 \text{ m} / 8 \text{ ft}$ (detachable) | | | |
| Compatibility - Half Bridge | Mahr | Tesa | Mahr | Tesa |
| Order no. | 4400180 | 4400190 | 4400181 | 4400191 |

¹⁾ Relative to the electrical zero point. Adjustable; lower and upper stops are simultaneously adjusted

²⁾ Measuring force springs are interchangeable, following measuring force springs are available (0.25; 0.5; 1; 1.25; 1.5 N)