TM0180 PROXIMITY PROBE SYSTEMS

# Product Data Sheet

## TM0180-A08-B00-C02-D10

8 mm proximity probe

| FUNCTION | FAMILY | ORIGIN | WEIGHT |
|---|---|---|---|
| **8 mm proximity probe** | **TM0180 Proximity Probe Systems** | **USA** | **Not specified** |

PROVIBTECH TM0180-A08-B00-C02-D10 is a 8 mm proximity probe for the TM0180 Proximity Probe Systems. The values below are limited to the exact documented article.

## 01 VERIFIED TECHNICAL DATA

| | |
|---|---|
| Exact article number | TM0180-A08-B00-C02-D10 |
| Probe thread and construction | M10×1 with armor |
| Unthreaded length | 0 mm |
| Case length | 20 mm |
| Total length | 1.0 m |
| Product series | TM0180 |
| Product class | Standard 8 mm proximity probe |
| Nominal probe diameter | 8 mm |
| Probe temperature | -40 to +120 °C operating/storage |
| System linear range | 0.25 to 2.25 mm |

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| System sensitivity | 7.87 mV/µm nominal |
| Frequency response | 0 to 10 kHz |
| Minimum target size | 15 mm diameter |
| Compatible extension cable | TM0181 |
| Compatible probe driver | TM0182 |

## 03 OFFICIAL APPLICATIONS

- Rotating machinery vibration measurement: Shaft radial position and displacement monitoring
- Bearing condition and rotor alignment: Axial thrust position and phase reference monitoring
- Eccentricity and shaft bow monitoring: Polar and Bode diagnostic measurements

## 04 SYSTEM COMPATIBILITY

Match TM0180-A08-B00-C02-D10 to the installed TM0180 Proximity Probe Systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## 05 OFFICIAL SOURCES

**PROVIBTECH 8mm, 5mm Proximity Probe TM0180 and TM0105 Systems**

PROVIBTECH product catalog, printed pages 2-9

**AMIKON PRODUCT SUPPORT**

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