

DATA SHEET

Vibro-Meter®

PA153
probe mounting adaptor



KEY FEATURES AND BENEFITS

- From the Vibro-Meter® product line
- For the external mounting of TQxxx proximity probes
- Stainless steel rod available in lengths from 50 to 800 mm, with mounting position adjustable to ± 10 mm
- Range of adaptor threads and lengths
- Choice of cable fitting (stuffing gland) options

APPLICATIONS

- For use with TQxxx proximity measurement systems
- Allows easier probe installation and gap adjustment

DESCRIPTION

The PA153 probe mounting adaptor is designed for use with TQxxx proximity measurement systems, from Meggitt's Vibro-Meter® product line.

The PA153 allows the external mounting of a reverse-mount proximity transducer such as the TQ412, without the need for machine disassembly. The probe mounting adaptor makes it easier to adjust the gap or replace the probe, even while the machine is running.

Designed for harsh industrial environments, the adjustable stainless-steel rod protects the proximity transducer to extension cable connection.

The PA153, together with matching cable and cable feedthroughs makes installation easier and ensures the proper functioning of a proximity transducer system.

For specific applications, contact your local Meggitt representative.



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SPECIFICATIONS

Rod (ordering options B and C)

| | |
|-----------------------|---|
| Material | : Stainless steel 1.4301 |
| Length | : See Ordering information on page 4 |
| Probe mounting thread | : See Ordering information on page 4 |

Adaptor assembly (ordering option D)

| | |
|-----------------|---|
| Material | : Stainless steel 1.4305 |
| Mounting thread | : See Ordering information on page 4 |
| O-ring seal | : Viton [®] (FPM) Ø13 × 1.5 mm |

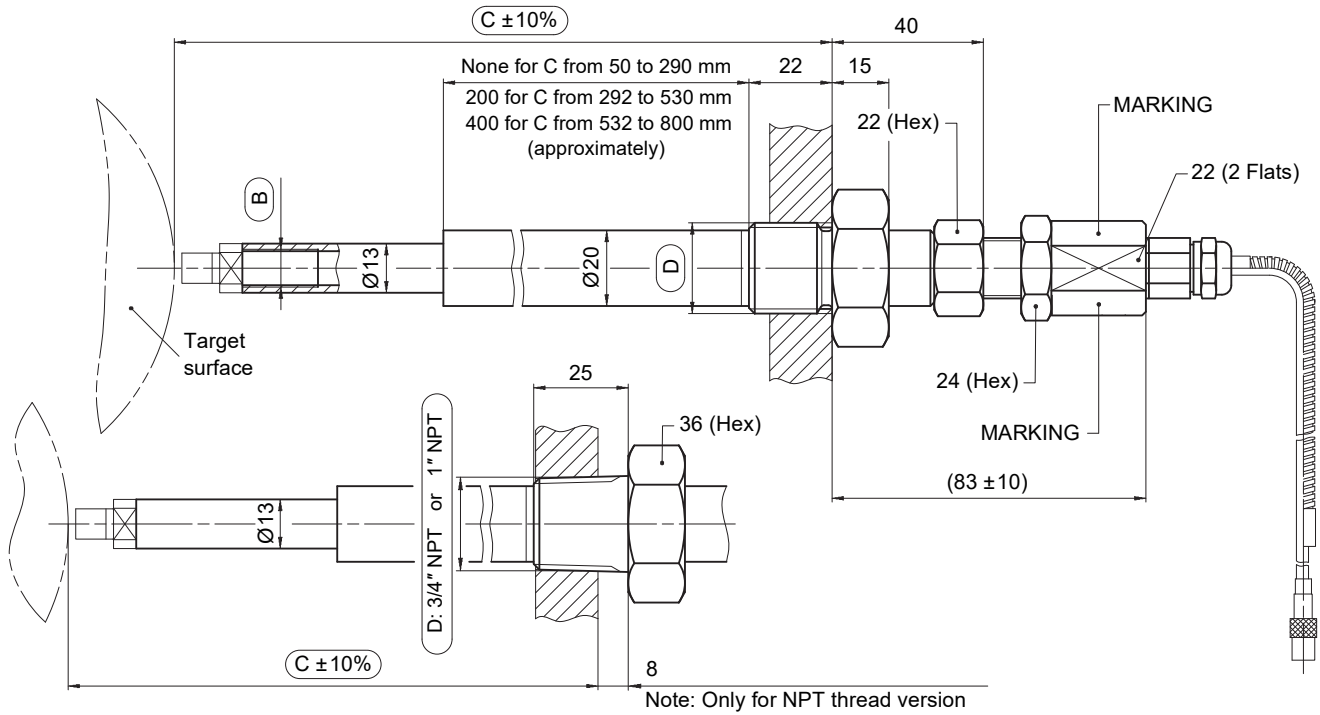
Cable fittings (ordering option F)

| | |
|----------|--|
| Material | Nickel-plated brass, Viton [®] (FPM) seal |
|----------|--|

Environmental

| | |
|---|----------------------------------|
| Temperature range | : -40 to +200°C (-40 to +392 °F) |
| Protection rating (according to IEC 60529) | : IP65 |

MECHANICAL DRAWING



Note: All dimensions are in mm unless otherwise stated.

ORDERING INFORMATION

To order please specify

Type : PA153
 Designation : Probe mounting adaptor
 Ordering number (PNR) : See below

Ordering number: 800 - 153 - 000 - 011 - **B** - **C** - **D** - **F**

| Sensor thread (B) | |
|-------------------|---|
| M10 × 1 | 1 |
| 3/8" - 24 UNF | 2 |

| Adaptor thread (D) | |
|--------------------|---|
| M24 | 1 |
| 7/8" - 14 UNF | 2 |
| 3/4" NPT | 3 |
| G 3/4" | 4 |
| 1" NPT | 5 |

| Rod length (C)* | |
|------------------------------|-----|
| Each 2 mm, from 50 to 800 mm | |
| 50 mm min. | 050 |
| 800 mm max. | 800 |

| Cable fitting / stuffing gland (F) | |
|---|---|
| One M12 × 1.5 cable gland for Ø2.5 to Ø3.6 mm cable | 1 |
| One M12 × 1.5 combination cable gland for Ø2 to Ø4 mm cable with Ø6 to Ø8 mm flexible protection hose | 3 |

Note
 *For ordering option C, see the notes for NPT thread version in **Mechanical drawing on page 3.**

Note
 Ordering option F1 allows a connector up to 7.2 mm to be fed through.

ACCESSORIES

| | | |
|-------|------------------------------------|-------------------------------------|
| KS107 | Flexible conduit (protection tube) | : Refer to corresponding data sheet |
| SG102 | Cable feedthrough | : Refer to corresponding data sheet |
| SG164 | Cable feedthrough | : Refer to corresponding data sheet |

RELATED PRODUCTS

| | | |
|-------------------------------|--|-------------------------------------|
| PA150 | Probe mounting adaptor with proximity measurement system | : Refer to corresponding data sheet |
| PA151 | Probe mounting adaptor | : Refer to corresponding data sheet |
| PA152 | Probe mounting adaptor (high temperature) | : Refer to corresponding data sheet |
| TQ402/TQ412, EA402 and IQS450 | Proximity measurement system | : Refer to corresponding data sheet |

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