

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 sensors
- Stainless steel rod available in lengths from 50 to 800 mm, with mounting position adjustable to  $\pm 10$  mm
- Range of adaptor threads and lengths
- Choice of cable fitting (stuffing gland) options

### APPLICATIONS

- For use with TQxxx proximity measurement chains/systems
- Allows easier probe (sensor) installation and gap adjustment

### DESCRIPTION

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

The PA153 probe mounting adaptor allows the external mounting of a reverse-mount proximity sensor such as the TQ912, without the need for machine disassembly. The probe mounting adaptor makes it easier to adjust the gap or replace the sensor, even while the machine is running.

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

The PA153, together with matching cable and cable feedthroughs makes installation easier and helps ensure the proper functioning of a proximity measurement chain/system.

For specific applications, contact your local Meggitt representative.



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## SPECIFICATIONS

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### Rod (ordering option codes B and C)

Material	: Stainless steel 1.4301
Length	: See <b>Ordering information on page 4</b>
Probe mounting thread	: See <b>Ordering information on page 4</b>

### Adaptor assembly (ordering option codes D and E)

Material	: Stainless steel 1.4305
Adaptor length and mounting thread	: See <b>Ordering information on page 4</b>
O-ring seal	: Viton <sup>®</sup> (FPM), Ø13 × 1.5 mm

### Cable fittings (ordering option code F)

Material	Nickel-plated brass, Viton <sup>®</sup> (FPM) seal
Cable fittings (stuffing glands)	See <b>Ordering information on page 4</b>

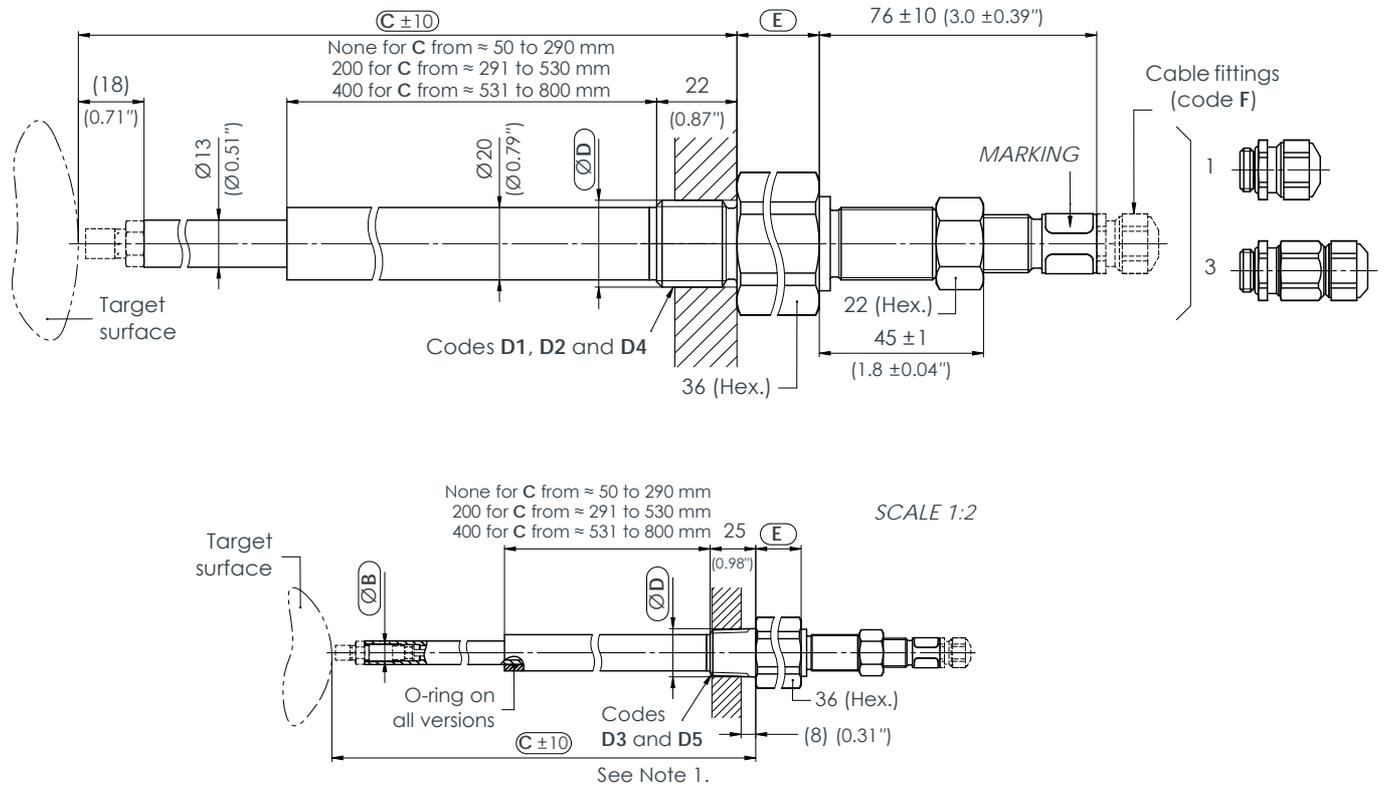
### Environmental

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

Note: Refer also to the *TQ902/TQ912, EA902 and IQS900 proximity measurement chain data sheet*.

MECHANICAL DRAWINGS

PA153 probe mounting adaptor



Notes

All dimensions are in mm (in) unless otherwise stated.

1. For versions with NPT threads (3/4" or 1" NPT) only, that is, Adaptor thread codes D3 and D5. See also **Ordering information on page 4.**

## ORDERING INFORMATION

To order please specify

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

Ordering number:

800 - 153 - 000 - 111



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

Rod length (C)	
Each 1 mm, from 50 to 800 mm	
50 mm min.	50
800 mm max.	800

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

Adaptor length (E)	
15 mm	15
105 mm	105
195 mm	195

Cable fitting (F)	
M12 × 1.5 cable fitting / stuffing gland for Ø2.5 to 3.6 mm cable	1
Combination M12 × 1.5 cable fitting / stuffing gland for Ø2 to 4 mm cable with Ø6 to 8 mm protection hose	3

Notes

F1 allows a Ø7.2 mm connector to be fed through.

Notes

See also the notes in **Mechanical drawings on page 3.**

## 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 chain	: 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
TQ902/TQ912, EA902 and IQS900	Proximity measurement chain	: Refer to corresponding data sheet
TQ402/TQ412, EA402 and IQS450	Proximity measurement system	: Refer to corresponding data sheet

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