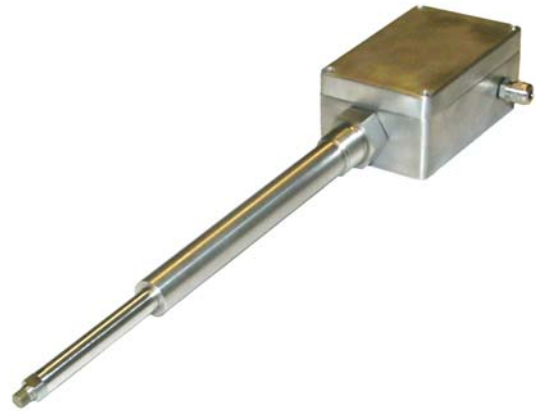


DATA SHEET

# vibro-meter®

## PA152 probe mounting adaptor



### KEY FEATURES AND BENEFITS

- From the vibro-meter® product line
- For the external mounting of TQxxx proximity sensors
- Removable housing, with a U-shaped retainer, that allows easier probe (sensor) installation and gap adjustment
- Sealed aluminium housing, designed for high-temperature environments up to +200°C
- 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 PA152 probe mounting adaptor is designed for use with TQxxx proximity measurement chains/systems, from Meggitt's vibro-meter® product line.

The PA152 probe mounting adaptor facilitates the external mounting of a reverse-mount proximity sensor such as the TQ912, without the need for machine disassembly. The removable housing and U-shaped retainer make 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 and aluminium housing assembly protects the proximity sensor and the sensor to extension cable connection, even under high-temperature conditions.

The PA152, 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>

### Housing

Material	: Aluminium alloy
Cover	: Sealed with a silicone gasket
Colour	: Natural aluminium

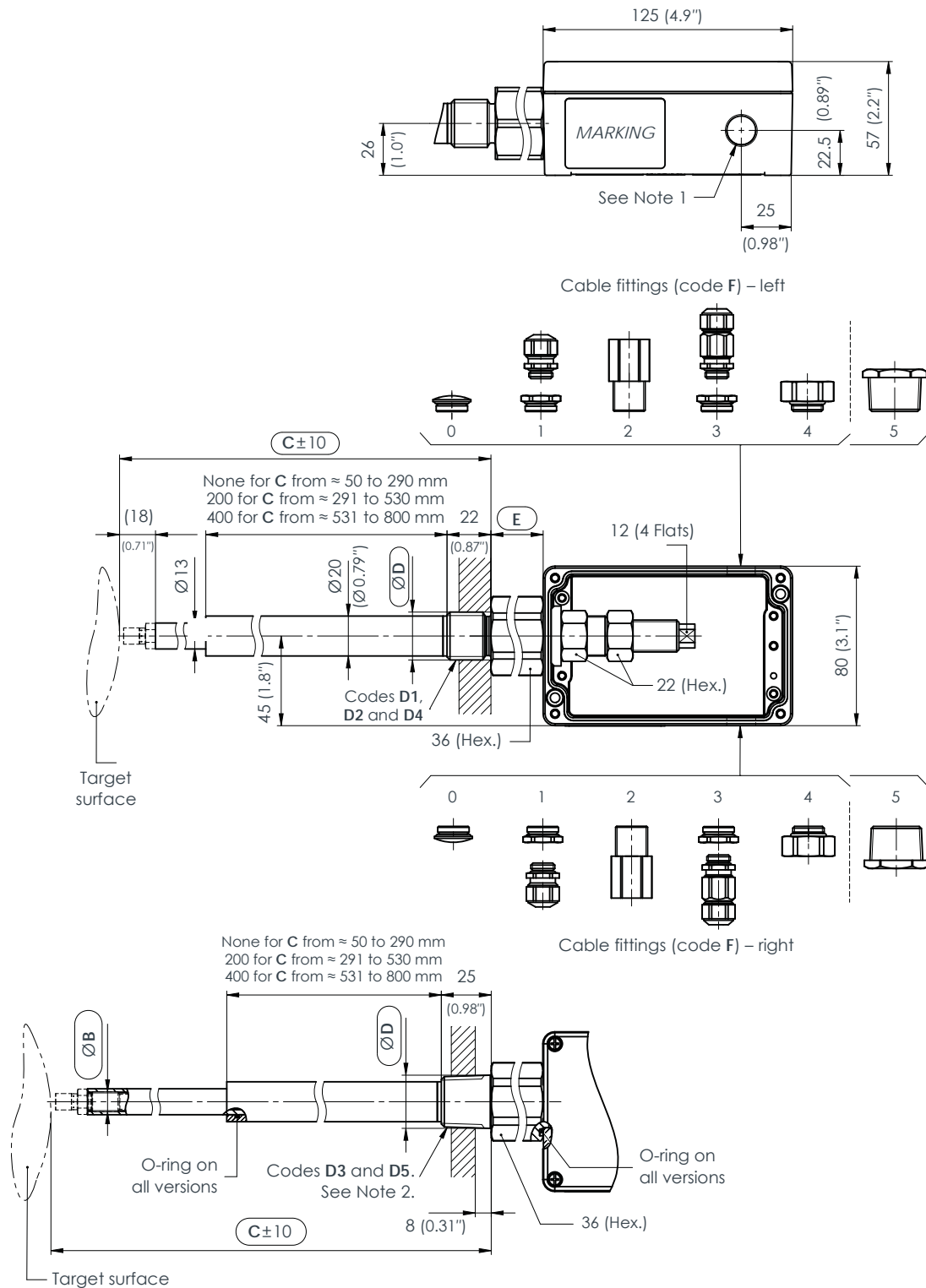
### Environmental

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

PA152 probe mounting adaptor



Notes

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

- For Cable fitting codes F0 to F4 (left and/or right), the housing has M16 × 1.5 thread (left and/or right, as appropriate).  
For Cable fitting code F55 (left and right), the housing has 3/4" NPT thread (left and right, as appropriate).
- 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 : PA152  
 Designation : Probe mounting adaptor  
 Ordering number (PNR) : See below

Ordering number:

800 - 152 - 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 × 3	1
7/8" - 14UNF	2
3/4" NPT	3
G 3/4"	4
1" NPT	5
M24 × 1.5	6

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

Cable fitting (F)	Left	Right
M16 × 1.5 opening with plug	0	0
M12 × 1.5 cable fitting / stuffing gland for Ø2.5 to 3.6 mm cable	1	1
M16 × 1.5 / PG9 adaptor	2	2
Combination M12 × 1.5 cable fitting / stuffing gland for Ø2 to 4 mm cable with Ø6 to 8 mm protection hose	3	3
M16 × 1.5 / M20 × 1.5 adaptor for Ø12 mm max. cable	4	4
3/4" NPT openings with plugs	55	

Notes  
 D6 can only be specified with Adaptor length E15.

Notes  
 F1x / Fx1 (left/right) allow a Ø7.2 mm connector to be fed through.  
 F2x / Fx2 (left/right) support PG9 cabling protection.  
 F4x / Fx4 (left/right) support M20 × 1.5 cabling protection.  
 Cable fitting options 0, 1, 2, 3 and 4 can be specified independently for each side. For example, F02 is permitted.  
 Cable fitting option 5 cannot be specified independently and must be the same for each side. That is, F55 only.

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
PA153	Probe mounting adaptor	: 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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