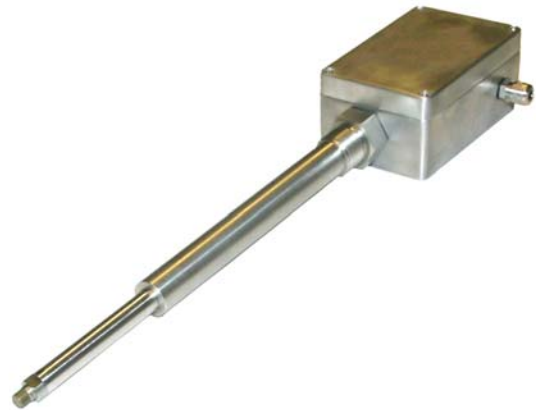


DATA SHEET

vibro-meter®

## PA152 probe mounting adaptor



### KEY FEATURES AND BENEFITS

- From the vibro-meter® product line
- For the external mounting of TQxxx proximity probes
- Removable housing, with a U-shaped retainer, that allows easier probe 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 systems
- Allows easier probe installation and gap adjustment

### DESCRIPTION

The PA152 probe mounting adaptor is designed for use with TQxxx proximity measurement systems, from Meggitt's vibro-meter® product line.

The PA152 allows the external mounting of a reverse-mount proximity transducer such as the TQ412, without the need for machine disassembly. The removable housing and U-shaped retainer make 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 and aluminium housing assembly protect the proximity transducer to extension cable connection, even under high-temperature conditions.

The PA152, 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

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### Rod (ordering options 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 options 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 F)

Material	Nickel-plated brass, Viton <sup>®</sup> (FPM) seal
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### 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



## ORDERING INFORMATION

To order please specify

Type : PA152  
Designation : Probe mounting adaptor  
Ordering number (PNR) : See below

Ordering number: 800 - 152 - 000 - 011



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

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

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

Adaptor length (E) *	
015	15 mm
105	105 mm
195	195 mm

Cable fitting / stuffing gland (F)	
No hole or cable fitting (stuffing gland)	0
One M16 × 1.5 hole with plug. One M12 × 1.5 cable gland for Ø2.5 to Ø3.6 mm cable.	1
One M16 × 1.5 hole with plug. One M12 × 1.5 combination cable gland for Ø2 to Ø4 mm cable with Ø6 to Ø8 mm flexible protection hose.	3
One M16 × 1.5 hole with plug. One M16 × 1.5 to M20 × 1.5 adaptor (with plug).	4
Two 3/4" NPT holes with plugs	5

Note

\* For ordering options C and E,  
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
PA153	Probe mounting adaptor	: Refer to corresponding data sheet
TQ402/TQ412, EA402 and IQS450	Proximity measurement system	: Refer to corresponding data sheet
TQ902/TQ912, EA902 and IQS900	Proximity measurement chain	: Refer to corresponding data sheet

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