PA 152

# Probe mounting adaptor (high temperature)

FEATURES

» From the Vibro-Meter® product line

» For the external mounting of TQ proximity probes

» Removable housing, with 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 ±10 mm

» Range of adaptor threads and lengths

» Choice of cable fitting options
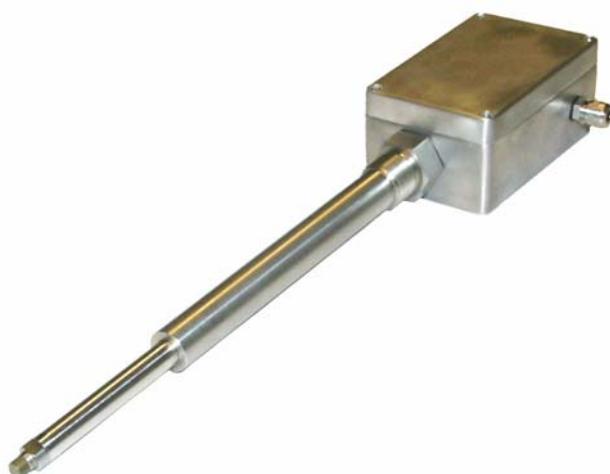
DESCRIPTION

The PA 152 probe mounting adaptor allows the external mounting of a reverse-mount proximity transducer, such as the TQ 412, without 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 transducer-to-extension cable connection under high-temperature conditions.

The PA 152, together with matching cable and cable feedthroughs makes installation easier and ensures the proper functioning of a proximity transducer system.

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 options D and E)

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

Cable fittings (ordering option F)

Material	Nickel-plated brass, Viton (FPM) seal

Housing

Material	: Aluminium alloy
Cover	: Sealed with a silicone gasket
Colour	: Natural aluminium
Protection rating (according to IEC 60529)	: IP65
Temperature range	: −40 to +200°C

MECHANICAL DRAWING

Target surface

None for C from 50 to 290 mm
200 for C from 292 to 530 mm
400 for C from 532 to 800 mm
(approx.)

25

E

D: 3/4" NPT or 1" NPT

O-ring

B

C ±10%

8

Note: Only for NPT thread version

MARKING

57

22.5

25

C ±10%

E

125

18

None for C from 50 to 290 mm
200 for C from 292 to 530 mm
400 for C from 532 to 800 mm
(approximately)

22

12 (4 Flats)

Target surface

Ø13

Ø20

D

45

80

36 (Hex)

22 (Hex)

Cable fitting (F)

1   3   4   5
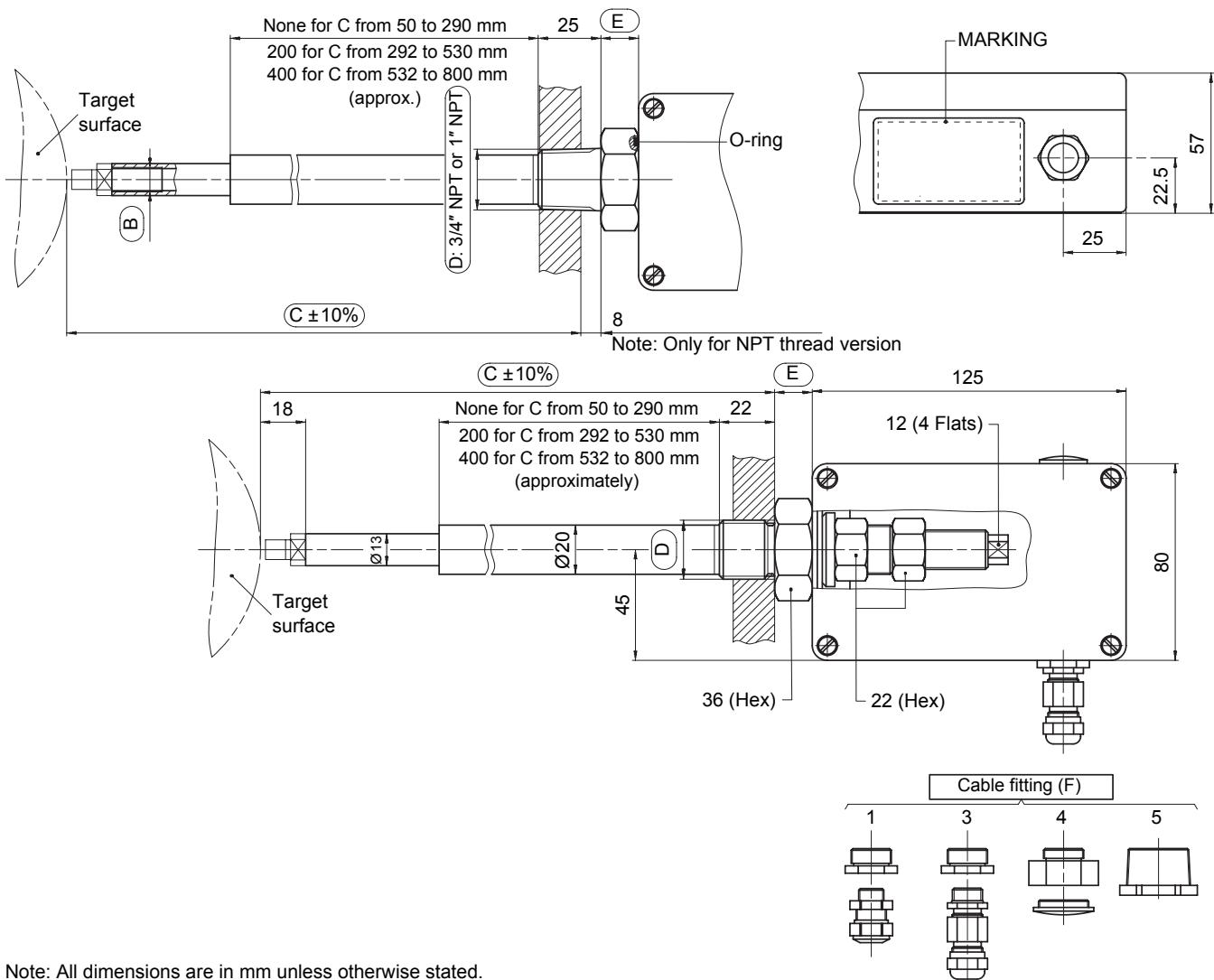
Note: All dimensions are in mm unless otherwise stated.

ORDERING INFORMATION

To order please specify

Type	: PA 152
Designation	: Probe mounting adaptor
Ordering number	: See below

Ordering number: 800 - 152 - 000 - 011 – [B] – [C] [ ] [ ] – [D] – [E] [ ] [ ] – [F] [ ]

Sensor thread (B)

M10x1	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

Adaptor length (E)*

015	15 mm
105	105 mm
195	195 mm

Rod length (C)*

Each 2 mm, from 50 to 800 mm	
50 mm min.	050
800 mm max.	800

Cable fitting (F)

No hole	0
M12x1.5 cable gland for Ø2.5 to Ø3.6 mm cable	1
M12x1.5 combination cable gland for Ø2 to Ø4 mm cable and Ø6 to Ø8 mm flexible protection tube	3
M16x1.5 / M20x1.5 adaptor	4
3/4″ NPT	5

⚠ *For ordering options C and E, see the notes for
NPT thread version in the Mechanical drawing on page 3.

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

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