PA 153

Probe mounting adaptor

FEATURES

» From the Vibro-Meter® product line

» For the external mounting of TQ proximity probes

» Allows easier probe installation and gap adjustment

» Stainless steel rod available in lengths from 50 to 800 mm, with mounting position adjustable to ±10 mm

» Range of adaptor threads

» Choice of cable fitting options

DESCRIPTION

The PA 153 probe mounting adaptor permits the external mounting of a TQ 412 proximity probe without machine disassembly and allows gap adjustment even while the machine is running.

Designed for harsh industrial environments, the stainless steel rod protects the transducer-to-cable connection. The probe adaptor facilitates installation 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 3
Probe mounting thread	: See Ordering information on page 3

Adaptor assembly (ordering option D)

Material	: Stainless steel 1.4305
Mounting thread	: See Ordering information on page 3
O-ring seal	: Viton® (FPM) Ø13 x 1.5 mm

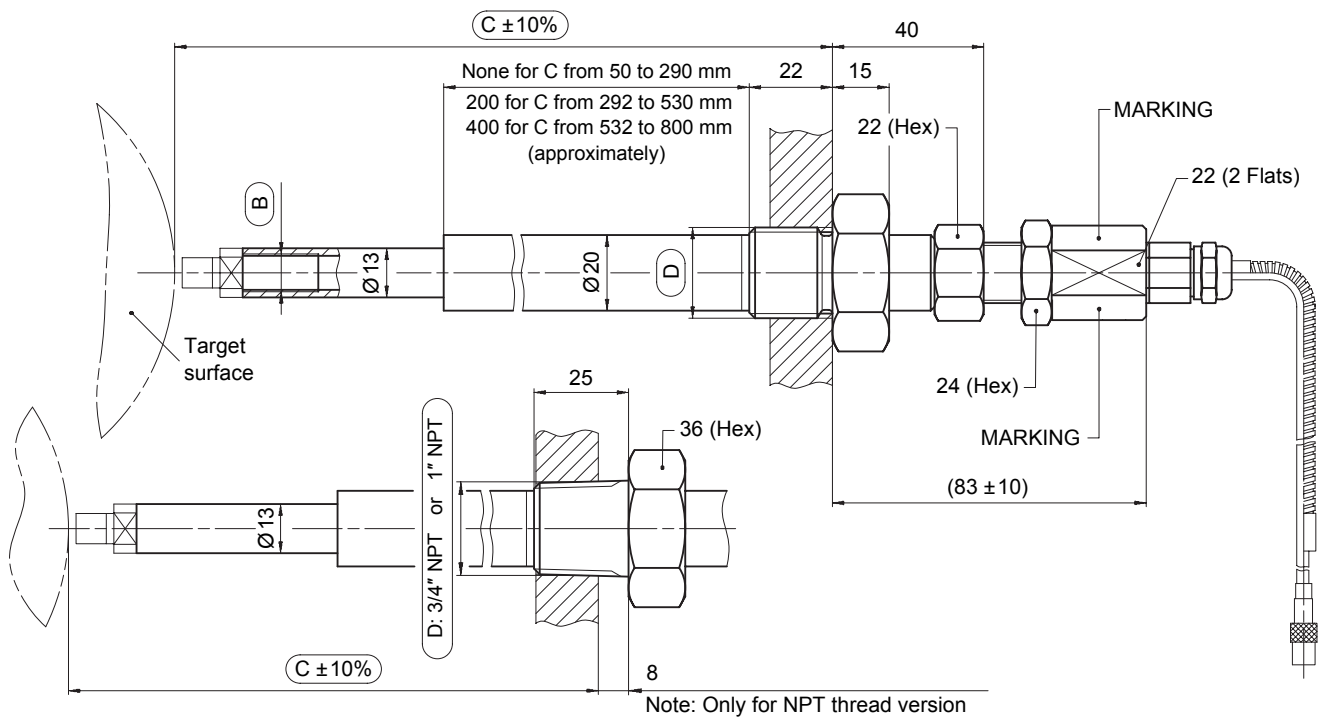### Cable fittings (ordering option F)

Material	Nickel-plated brass, Viton (FPM) seal

Environmental

Operating temperature	: −40 to +200 °C
Protection rating (according to IEC 60529)	: IP65

MECHANICAL DRAWING

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)

Note: Only for NPT thread version

Note: All dimensions are in mm unless otherwise stated.

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ORDERING INFORMATION

To order please specify

Type	: PA 153
Designation	: Probe mounting adaptor
Ordering number	: See below

Ordering number: 800 - 153 - 000 - 011 – [B] – [C][ ][ ] – [D] – [F][ ]
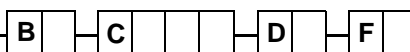
Sensor thread (B)

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

Rod length (C)*

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

Cable fitting (F)

M12x1.5 cable gland for cable Ø2.5 to Ø3.6 mm	1
M12x1.5 combination cable gland for Ø2 to Ø4 mm cable and Ø6 to Ø8 mm flexible protection tube	3

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

⚠ *****For ordering options C and E, see the notes for NPT thread version in the Mechanical drawing on page 2.

Headquartered in the UK, Meggitt PLC is a global engineering group specializing in extreme environment components and smart sub-systems for aerospace, defence and energy markets.

Meggitt Sensing Systems is the operating division of Meggitt specializing in sensing and monitoring systems, which has operated through its antecedents since 1927 under the names of ECET, Endevco, Ferroperm Piezoceramics, Lodge Ignition, Sensorex, Vibro-Meter and Wilcoxon Research. Today, these operations are integrated under one strategic business unit called Meggitt Sensing Systems, headquartered in Switzerland and providing complete systems, using these renowned brands, from a single supply base.

The Meggitt Sensing Systems facility in Fribourg, Switzerland was formerly known as Vibro-Meter SA, but is now Meggitt SA. This site produces a wide range of vibration and dynamic pressure sensors capable of operation in extreme environments, leading-edge microwave sensors, electronics monitoring systems and innovative software for aerospace and land-based turbo-machinery.

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