

Proximity Transducer WW 007

Applications

- Non-contacting vibration measurement
- Non- contacting displacement measurement
- 3 m, 5 m and 10 m systems
- Stainless steel casing
- IP 67
- Max. measuring range 3 mm (from 0.5 to 3.5 mm)



Description

The proximity Transducer WW 007 is used in combination with transmitter or converter for contactless measurement of shaft vibration, the relative displacement or speed. Measurements are made according to the eddy-current principle. The proximity probes with same cable length are interchangeable.

Specifications

Transducer

Ambient temperature range	- 20 to +180° C
Max. measuring range	3 mm (0.5 to 3.5 mm) with target material 1.7225
Protection class	IP 67 (transducer tip)
Protection class	IP 64 (between transducer body and integral cable)
Material of casing	Stainless steel (1.4305)
Resistance	against a multitude of oils, chemicals and solvents

Cable

Type	Triax-Teflonkabel (double shielding)
Ambient temperature range	- 20 to +220° C
Length	1; 3; 5 or 10 m
Diameter	2.9 mm
Min. bending radius	20 mm
Resistance	against a multitude of oils, chemicals and solvents
Connector	Triax-Connector

Triax-Connector

Type	Triax
Ambient temperature range	- 20 to +135° C
Length	28 mm
Diameter	6.5 mm

Cable Protection

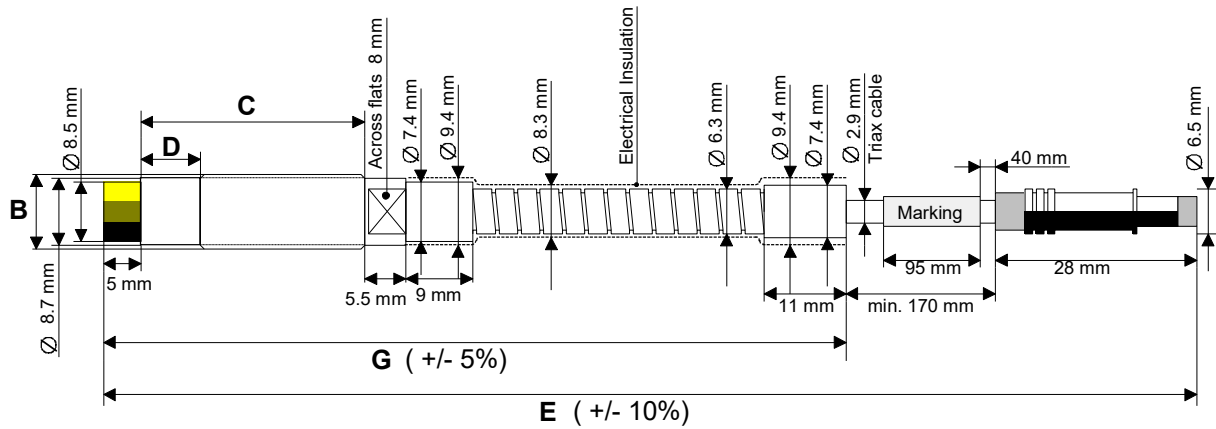
Ambient temperature range	- 20 to +250° C
Material	Stainless steel spiral hose (material SS 304)
Protection class	IP 40
Length	0.8; 2.8; 4.8 or 9.8 m
Outside diameter	6.3 mm
Inside diameter	4 mm
Min. bending radius	50 mm
Resistance	against a multitude of oils, chemicals and solvents

Electrical Insulation

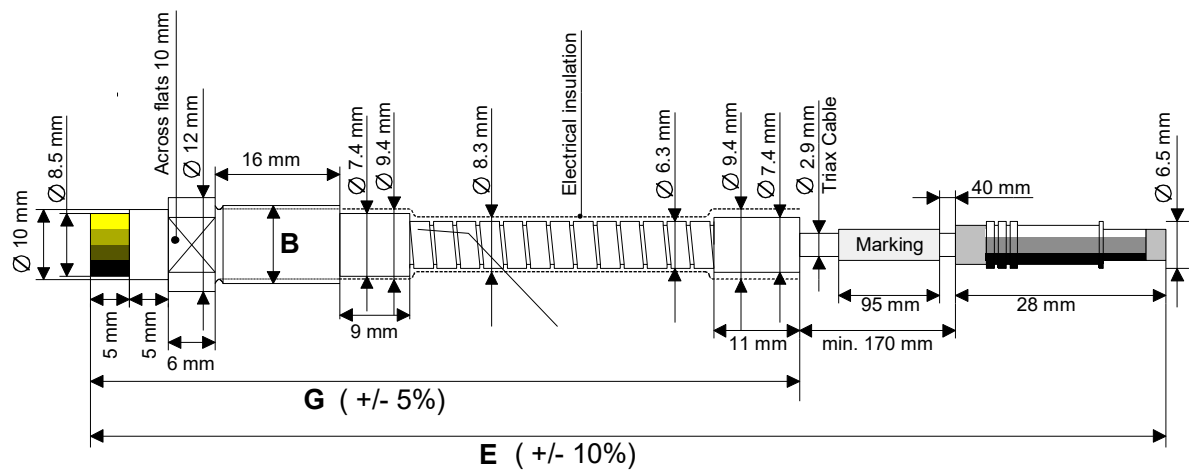
Ambient temperature range	-20 to +190° C
Material	Kynar ® *
Resistance	against a multitude of oils, chemicals and solvents
Outside diameter	8.3 mm
Min. bending radius	100 mm
Color	Transparent

* Kynar ® is a registered trademark of ATOFINA

Drawing

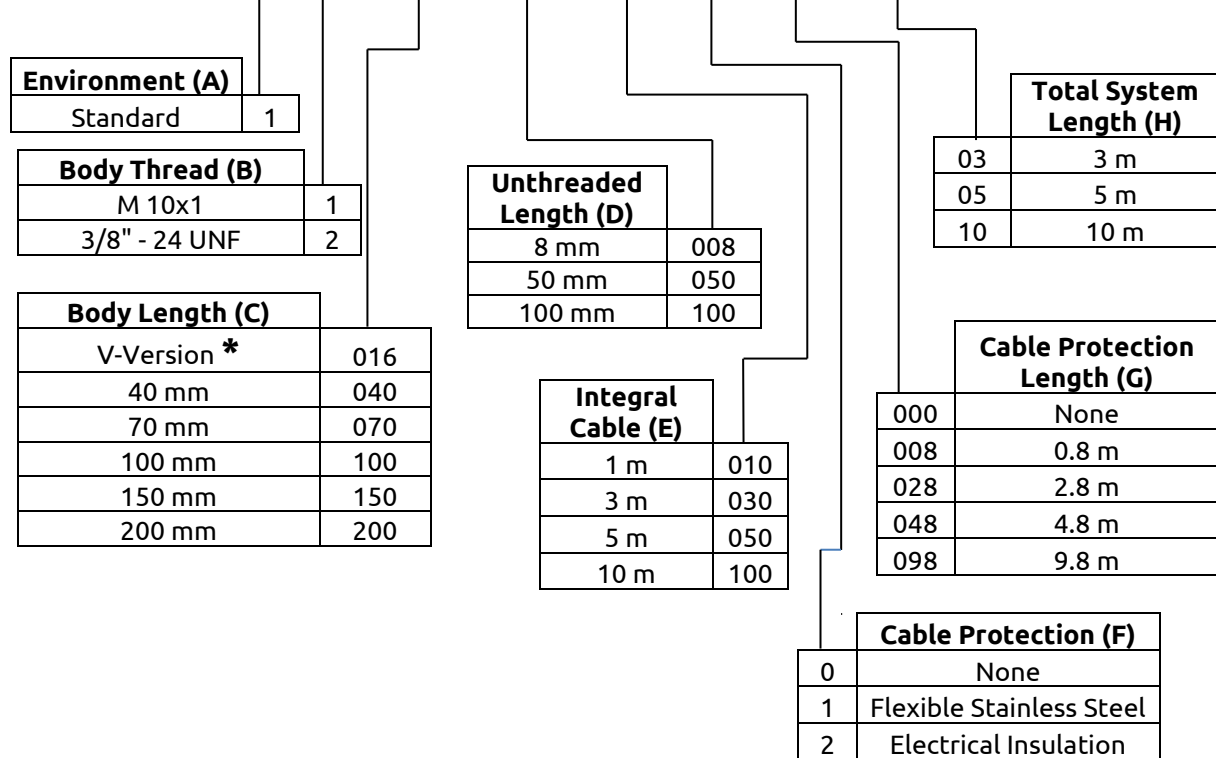


V-Version



ORDER INFORMATION

IST – WW007 – Ax – Bx – Cxxx – Dxxx – Exxx – Fx – Gxxx – Hxx



* With the V-version the thread length is fixed at 16 mm (C).

The unthreaded length (D) cannot be chosen. The dimensions are shown on the drawing.

Example:

(IST-WW007-A1-B1-C016-E050-F1-G048-H05)

Environment	(A) 1 :	Standard
Body Thread	(B) 1 :	M10x1
Body Length	(C) 016 :	16 mm (V-Version)
Integral Cable	(E) 050 :	5 m
Cable Protection	(F) 1 :	With Flexible Stainless Steel
Cable Protection Length	(G) 048 :	4.8 m
Total System Length	(H) 05 :	5 m

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