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Vibro-Meter
Proximity Transducer
WW 009

Applications

- Non-contacting vibration measurement
- Non-contacting displacement measurement
- Stainless steel casing
- IP 67
- Max. measuring range

  5 mm (from 0.5 to 5.5 mm)



Description

The proximity Transducer WW 009 is used in combination with transmitter or converter for the contactless measurement of shaft vibration or relative displacement.
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	5 mm (0.5 to 5.5 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

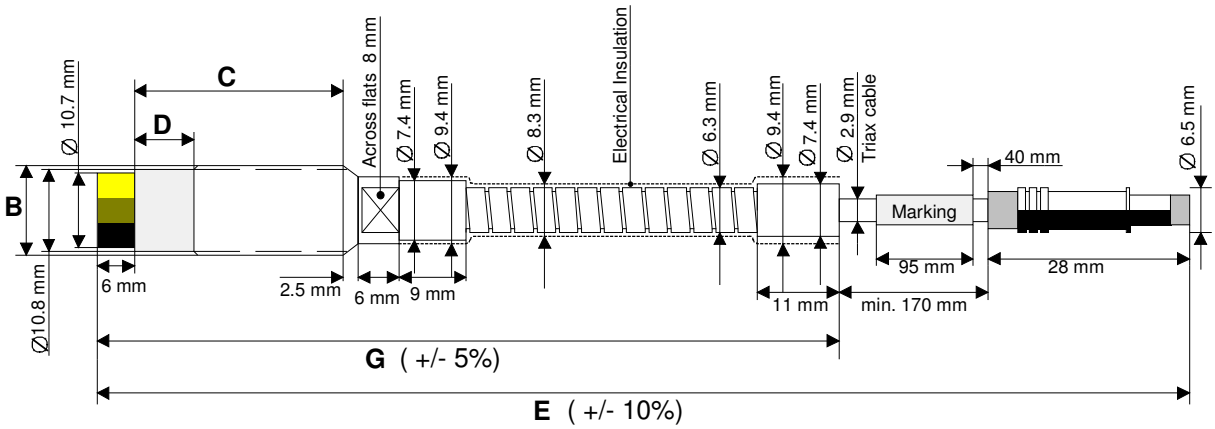
Ambient temperature range	- 20 to +250° C
Material	Stainless steel spiral hose (material SS 304)
Protection class	IP 40
Length	0.8, 2.8, 4.8 or 9.8 m
Outside diameter	6.3 mm
Inside diameter	4 mm
Min. bending radius	50 mm
Resistance	against a multitude of oils, chemicals and solvents

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



ORDER INFORMATION

VMD – WW009 – Ax – Bx – Cxxx – Dxxx – Exxx – Fx – Gxxx – Hxx

Environment (A)	
Standard	1

Body Thread (B)	
M 12x1	1
M 16x1	2

Body Length C	
20 mm	020
40 mm	040
70 mm	070
100 mm	100
150 mm	150
200 mm	200

Unthreaded Length (D)	
8 mm	008
50 mm	050
100 mm	100

Integral Cable (E)	
1 m	010
3 m	030
5 m	050
10 m	100

	Cable Protection (F)
0	None
1	Flexible Stainless Steel
2	Electrical Insulation

	Cable Protection Length (G)
000	None
008	0.8 m
028	2.8 m
048	4.8 m
098	9.8 m

	Total System Length (H)
03	3 m
05	5 m
10	10 m