

## 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**

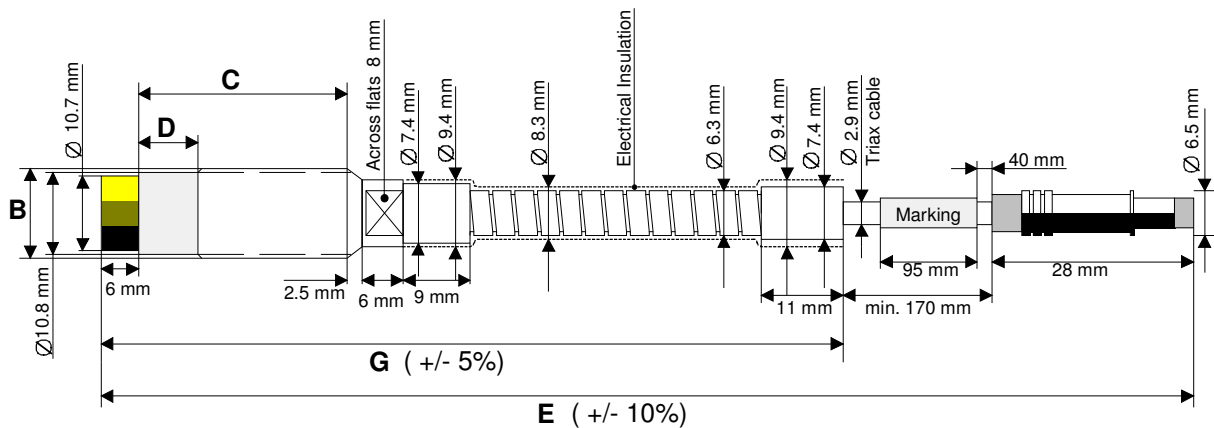
Ambient temperature range	- 20 to +250° C
Material	Stainless steel spiral hose (material SS 304)
Protection class	IP 40
Length	0.8, 2.8, 4.8 or 9.8 m
Outside diameter	6.3 mm
Inside diameter	4 mm
Min. bending radius	50 mm
Resistance	against a multitude of oils, chemicals and solvents

### **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

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

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

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

### Sales Offices

Meggitt has offices in over 30 countries. The complete list can be found on our webpage [www.meggitt.com](http://www.meggitt.com)

vibro-meter  
zertifiziert durch



### Your local representative

### Meggitt GmbH

Kaiserleistraße 51  
63067 Offenbach am Main  
Deutschland / Germany  
Tel.+49 (0) 69 9799050  
Fax +49 (0) 69 97990526  
E-Mail: [info@meggit.de](mailto:info@meggit.de)  
[www.meggitt.de](http://www.meggitt.de)

**MEGGITT**  
smart engineering for  
extreme environments