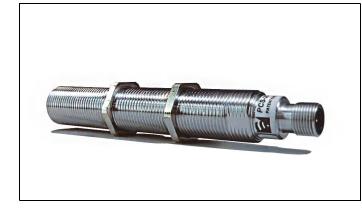
# VIBROSYSTM



#### General Specifications Operation

- Measurement Type
- Measuring Range
- Output
- Sensitivity
- Accuracy
- Repeatability
- Bandwidth
- Load at Current Output
- Temperature Drift
- Short Circuit Protection

#### **Power Requirements**

- Voltage
- Consumption
- Voltage Reversal Protection
- Warm-Up Time

	С	(
Non-Contact Proximity,	•	(
Capacitive Technology	•	I
0.5 to 4.5 mm [19.7 to 177 mils]		
4 to 20 mA	Ε	r
4 mA/mm [0.1 mA/mil]	•	-
± 2.5% F.S.R.		
± 0.5% F.S.R.		
0 to 1000 Hz (-3dB)	•	ł
500 Ω max.	п	L
< 500 ppm/°C (at mid-range)	Ρ	ו ג
Built-In	•	:
	•	

24 Vdc ± 15%

60 mA max.

Built-In

5 Minutes

## PCS<sup>™</sup>-304

### Capacitive Proximity Sensor

The PCS-304 proximity sensor is designed for noncontact measurements of relative vibration, displacement and axial positioning. It is equipped with built-in conditioning circuitry allowing it to be directly connected to processing instrumentation.

Furthermore, its exclusive capacitive measuring technology makes it unaffected by conductive or semiconductive target material types, therefore requiring no field calibration.

#### Connection

- Connector Type
- Max. Cable Length

#### Environment

Temperature Range Operating Storage Humidity

0 to 60°C [32 to 140°F] -25 to 70°C [-13 to 158°F] Up to 95%, Non-Condensing

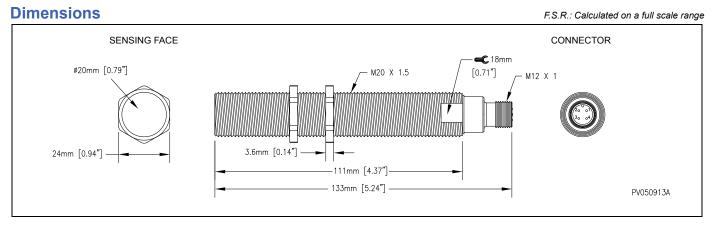
4-Position M12 Male

300 m [984 ft]

#### Physical Characteristics

- Sensor Body
- Sensing Face

Chrome-Plated Brass Glass-Reinforced Epoxy, FR-4



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VibroSystM inc. Longueuil, QC, Canada | Phone: 450 646-2157 | U.S. Toll-free line: 800 663-8379 | www.vibrosystm.com VibroSystM reserves the right to change specifications to improve products without notice

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