

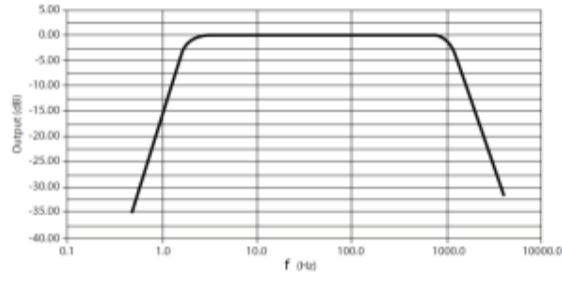
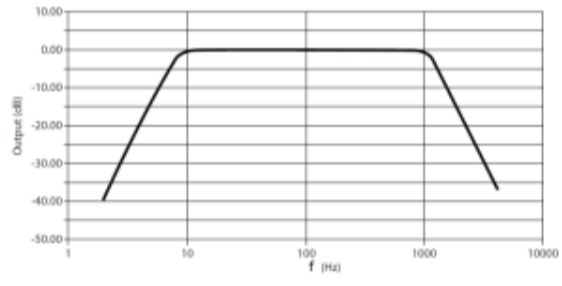
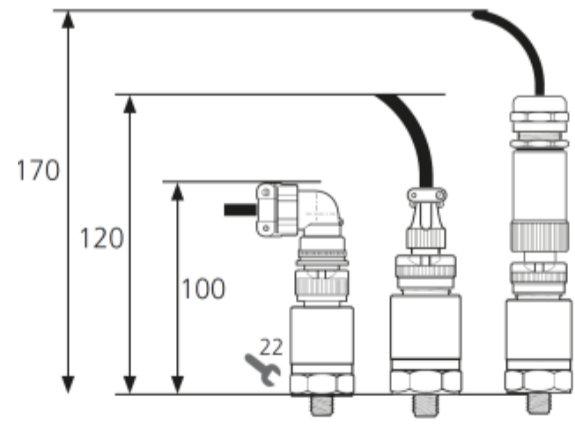

## VIBROTECTOR vibration transmitters



This sensor is employed to monitor vibration in industrial machinery. The vibration signal is relayed as a current level (4-20 mA) to the machine controls for analysis.

Monitoring vibrations with VIBROTECTOR

## Technical Data

Parameter	VIB 5.731	VIB 5.736
<b>Measurement</b>		
Output signal	Current intensity level (4-20 mA)	
Measurement range (RMS)	<20 mm/s	
Accuracy	±0.2 mm/s plus ±2% of measured value (Reference: 159 Hz)	
Frequency range, ±10%	10 Hz to 1 kHz	2 Hz to 1 kHz
Frequency response		
Temperature range, T <sub>A</sub>	-40 °C to 80 °C (-40 °F to 176 °F)	
Temperature offsetdrift (@ 4mA)	-0.015%/K	
Temperature sensitivity	-0.08%/K	
<b>Electrical</b>		
Power supply	24 V DC (±5%), über Stromschleife	
Loop resistance	90 to 360 Ohm	
Insulation	complete	
<b>Mechanical</b>		
Case material	Stainless steel VA 1.4305	
Environmental protection	IP 67; IP 68 with pre-assembled cable VIB 3.570-L; Immersion depth: 10 m (33 ft)	
Mounting	M8 hexagon socket set screw or mounting adapter	
Connection	2-pin cable connector (Cannon, MIL-C5015)	
Shock limit	<50 kms <sup>-2</sup>	
Weight	80 g	
Mounting height, mm		
<b>Intrinsic safety details</b>		
VIBROTECTOR EX, type VIB 5.731 EX / VIB 5.736 EX		
Marking 	Gas: II 2G Ex ib IIC T4 Gb/ Dust: II 2D Ex ib IIIC T135°C Db	
Temperature range	-40 °C ...+80 °C	