

GENERAL DESCRIPTION

The transmitter, secured directly on machinery, generates an electric signal (4÷20 mA) which is proportional to vibration velocity or acceleration. The transmitter is made of a stainless steel basis AISI 316L with machine connection thread and a polyamide molded body; the connection to the acquisition system is effected by means of a TE CONNECTIVITY SUPERSEAL connector. The peculiar characteristics of the polyamide construction and of the connection allow unique resistance to extreme ambient conditions, enabling an IP67 protection degree.

NOTE: The transmitter is available in different configuration versions and it does not need any set-up or maintenance.

TECHNICAL CHARACTERISTICS		
Composition	AISI 316L stainless steel thread basis Polyamide body	
Power supply	24Vdc (10 ÷ 35Vdc) current loop 4 ÷ 20mA • Maximum load - see figure 1	
External connections	TE SUPERSEAL 1,5 2 poles connector complete with cable	
Electrical connections	PVC bipolar shielded cable, conductors typical section 2x0,35 mm ²	
Environmental use field	• - 30°C ÷ + 120°C • IP 67 EN 60529/10.91 standard	
Measure type	Omnidirectional seismic (absolute vibration)	
Dynamic field	• ± 15 g	
Transverse sensitivity	• < 5 %	
Linearity	• ± 2% - 75 Hz	
Dynamic performances	 ±3% / 10Hz-1kHz - see figure 2 -3db / 3Hz - 1.5kHz 	
Insulation	• $\geq 10^8 \Omega$ between signal and container	
Application axis	• Any	
Standard machine connection thread	• M8x1,25	
Maintenance	No maintenance is needed	
Parameters to be defined when ordering	Measuring field Cable length	
Mounting torque	• 5÷10 N-m	





TR-P

Figure 1 Maximum load on current loop

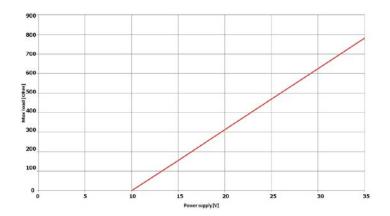
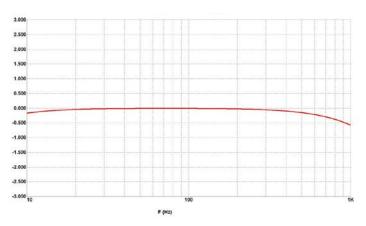


Figure 2 Frequency response [db]



ORDER INFORMATION

TR-P/

A: MEASURING FIELD

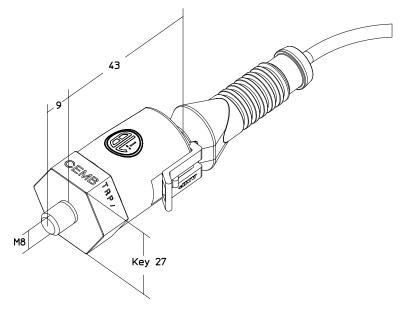
0	0 ÷ 10 mm/s RMS	
1	0 ÷ 20 mm/s RMS	
2	0 ÷ 50 mm/s RMS	
S	special to be defined	

CTR - P / \square

L: CABLE LENGTH IN METERS

(max 50 m)

Dimensions



PURCHASE ORDER EXAMPLE:

TR - P / 1

1 = Measuring field 0÷20 mm/S RMS

CTR - P / 05

05 = Cable length 5 m

