Vibrations transmitter

Ref : 2170
Rev : C

DESCRIPTION

This transmitter is intended to monitor vibration intensities, for accelerometers with integrated electronics. It directly converts the values given by an accelerometer (g), into speed (mm/s). The velocity thus calculated is applied to a threshold relay adjustable from 0 to 100% of the measurement range. It has a 4/20 mA analog output on the rear terminal block and a real-time acceleration output on a BNC jack located on the front panel.

MESUREX is a sensor manufacturer. We can adapt most sensors to your needs. Please contact us.

TECHNICAL CHARACTERISTICS

PARAMETRES	VALEURS
Speed range	10, 20, 50, 100 mm/s
Analog output speed	4/20 mA for the measurement range
Precision	± 2 %
Response time	Approx. 10 sec.
Acceleration output	100 mV/g
Bandwidth	1 Hz to 2 kHz
Relay output	1 contact Rest/Work
Threshold relay contacts	10 A/250 Vac or 10 A/30 Vcc maxi. Output with positive security (Relay glued out of alarm)
Instructions	0 to 100% of the selected speed range
Visualization	Green LED: Glued delay = no alarm Red LED: Relay released = alarm
General power supply	24 V to 30 Vcc max
Max consumption	50 mA
Case	DIN rail mount module
Dimensions (HxLxP)	76.5 x 38.5 x 82mm
Terminal block	11 Screw studs (10 A max.)
Reference Standard	Construction according to NFE 90300 – ISO 2372 standard

OPTIONS

1 0 Volt
2 Unknown
3 Tension exit
4 Work contact
5 Common contact
6 Rest contact
7 +General power supply
8 - General power supply
9 Output 4/20 mA (speed)
10 Return 4/20 mA (speed)
11 Input 4/20 mA sensor
Note : Positive security threshold

Important: The general power supply and the 4/20 mA return (10) are connected together inside the transmitter. The acceleration output 100 mV/g on BNC at the front is a floating mass output (potential of +12V relative to the general ground (8).

CONTACT

MESUREX
13 Rue des Corroyés
78730 Saint Arnoult en Yvelines (France)
Tel : +33 (0) 1 30 41 23 62
Mail : mesurex@mesurex.fr
Web : www.mesurex.fr