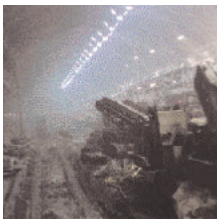
TROLEX

TX5634/5/6/7/8/9
VIBRATION SENSOR

COMPACT SENSOR with a conditioned output signal for general purpose machine monitoring

ATEX
M1
GROUP I & II
INTRINSICALLY
SAFE




TUNNELS

MINING

PROCESS
PLANTS

precise measurement

Analogue output of vibration represented as acceleration or velocity.
Fully conditioned 4...20mA output signal interfaces directly with standard process monitoring equipment.

cost-effective

Low cost vibration condition monitoring for general plant duty, motors, pumps, gearboxes, compressors, rotating machinery,

choice

Single hole M8 or Quickfit mounting.

intrinsically safe

Intrinsically Safe to Euronorm standards.

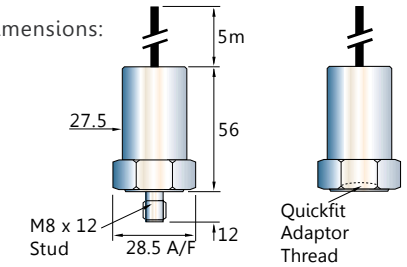
TROLEX

OPERATING DATA

technical details...

	TX5634 TX5635 TX5636	TX5637 TX5638 TX5639
Mode:	Acceleration	Velocity
Measuring Ranges:	2, 5, 10, 20, 50 & 100g (rms).	20, 25, 50, and 100mm/s (rms).
Maximum Vibration:	50g (peak).	
Frequency Response: (3dB points)	10Hz...1kHz.	10Hz...1kHz.
Mounted Resonance:	5kHz (nominal).	
Operating Temperature:	–40...+60°C (Standard),	
Sensing Principle:	Piezo-electric.	
Housing Material:	Stainless steel.	
Protection Classification:	IP67.	
Mounting:	M8 x 12mm stud or Quickfit.	
Electrical Connections:	5m, 2 core cable PVC insulated with screen and overbraid armour.	
Supply Voltage:	10...32V dc. (Group II) 12V dc. (Group I)	
Output:	4...20mA (loop-powered).	
Max. Load Impedance:	600 ohms. (Group II) 250 ohms. (Group I)	

Dimensions:



ALL DIMENSIONS IN MM

ATEX
M1
GROUP I & II
INTRINSICALLY
SAFE

order reference...

TX5634 VIBRATION SENSOR
ACCELERATION **GROUP II**

TX5635 VIBRATION SENSOR
ACCELERATION

TX5636 VIBRATION SENSOR
ACCELERATION **GROUP I**

TX5637 VIBRATION SENSOR
VELOCITY **GROUP II**

TX5638 VIBRATION SENSOR
VELOCITY

TX5639 VIBRATION SENSOR
VELOCITY **GROUP I**

Please advise MEASURING RANGE

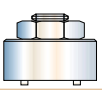
Options:	M8 STUD	(.21)
	QUICKFIT	(.22)

accessories...

TX5630.11 QUICKFIT
M8 ADAPTOR

TX5630.12 QUICKFIT
ADHESIVE ADAPTOR

TX5630.13 QUICKFIT
MAGNETIC ADAPTOR



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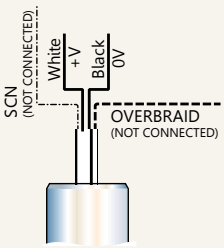
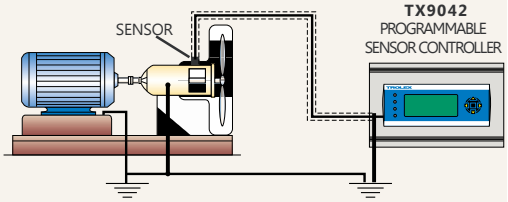
electrical details...

Connections:



NOTE: SCREEN IS ISOLATED FROM SENSOR METALWORK.

In order to avoid electrical pickup through the case of the sensor from the machine being monitored, the machine should be properly earthed in compliance with local regulations.
If a good earth is not possible, the sensor and the cable overbraid should be electrically isolated from the machine.
The screen of the cable should be connected to earth at the monitoring equipment.
IT SHOULD NOT BE EARTHED AT THE MOTOR.
The cable overbraid should be left unconnected.



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