VIBRATION TRANSMITTER

TR-26

The integrated transmitter TR-26 measures the absolute vibrations of any rotating machine support and it is able to interface directly in 2 wires technique (current loop 4 ÷ 20 mA) to an acquisition system (PLC or DCS).

The transmitter, secured directly on machinery, generates an electric signal (4÷20 mA) which is proportional respectively to vibration velocity or acceleration. The transmitter is made of an AISI 316L body with machine connection thread;

the connection to the acquisition system is effected by means of a MIL-C-5015-2 poles connector.

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

The transmitter is certified for application in classified area as

ATEX:

- EX II 2G Ex ia IIC T6/T5/T4 Gb
- E II 2D Ex ia IIIC T85°C/T100°C/135°C Db
- 😥 II 3G Ex ec IIC T6/T5/T4 Gc
- E II 3D Ex to IIIC T85°C/T100°C/135°C Dc

IECEx:

Ex ia IIC T6/T5/T4 Gb Ex ia IIIC T85°C/T100°C/135°C Db

Ex ec IIC T6/T5/T4 Gc

Ex tc IIIC T85°C/T100°C/135°C Dc

The transmitter is certificate SIL 2 for functional safety.



TECHNICAL CHARACTERISTICS

Composition	 AISI 316L stainless steel body
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ower supply	■ 24 Vdc (10 ÷ 35 Vdc) current loop 4 ÷ 20 mA (2 v	wires)
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■ MIL-C-5015 2 poles connector (conductors max section 2,5 mm²) External connections

± 2% - 75 Hz

- 4 poles M12 connector
- - 60°C ÷ + 120°C Environmental
 - IP 65 EN 60529/10.91 standards
- Measure type omnidirectional seismic (absolute vibration)
- Application axis
- Dynamic field ■ ± 18 g
- Transverse sensitivity < 5 %
- Linearity

Standard machine connection thread

- ±3% / 10Hz-1kHz Dynamic performances
 - -3db / 1,5Hz 2kHz
- Insulation ■ ≥10⁸ Ω between signal and container

 - "MACHINE CONNECTION THREAD"
- Maintenance no maintenance is needed
- **Electrical connections** bipolar shielded cable
- Mounting torque ■ 5÷10 N-m









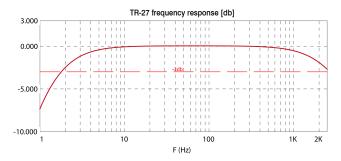








TR-26



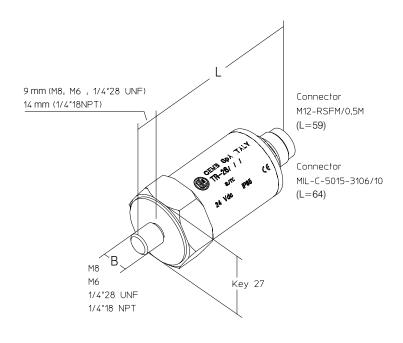
ORDER INFORMATION

A: MEASURING FIELD [RMS]

0	0 ÷ 10 mm/s
1	0 ÷ 20 mm/s
2	0 ÷ 50 mm/s
3	0 ÷ 100 mm/s
4	0 ÷ 1 g
5	0 ÷ 5 g
6	0 ÷ 10 g
7	0 ÷ 25,4 mm/s (0 ÷ 1 in/s)
8	0 ÷ 12,7 mm/s (0 ÷ 0,5 in/s)
S	special to be defined

B: MACHINE CONNECTION THREAD

0	M8x1,25
1	1/4'' – 18NPT
2	1/4'' – 28UNF
3	M6x1 (only for safe area)



C: CERTIFICATIONS

0		Safe area
2	€ x	II 2G Ex ia IIC T6/T5/T4 Gb
	€x	II 2D Ex ia IIIC T85°C/T100°C/135°C Db
	€ x	II 3G Ex ec IIC T6/T5/T4 Gc
	€ x	II 3D Ex tc IIIC T85°C/T100°C/135°C Dc
5		Ex ia IIC T6/T5/T4 Gb
		Ex ia IIIC T85°C/T100°C/135°C Db
		Ex ec IIC T6/T5/T4 Gc
		Ex tc IIIC T85°C/T100°C/135°C Dc

80419-P

CONNECTION

0	MIL-C-5015 2 pins
1	M12 4 pins (only for safe area)

CABLES AND OPTIONAL ACCESSORIES



SHIELDED CABLE 2X1 STANDARD

CBL/TR-26 / S / 0 / XX (lenght in meters)



SHIELDED CABLE ARMOURED IN ETFE 87SEA7952

CBL/TR-26 / E / 0 / XX (lenght in meters)



SHIELDED CABLE 2X1
WITH METAL JACKET COVERED BY PVC 95743-P

CBL/TR-26 / A / 0 / XX (lenght in meters)



2 PINS STRAIGHT (standard)

597023104



2 PINS 90°

597023108 + 590703052



4 PINS M12

593121013

ENER BARRIER Z787	(for hazardous area)
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800208787

B5MAG10 CY002

PLASTIC TAG

040STR000

B5MAG10 CY002

STAINLESS STEEL TAG

980710835



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