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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
II 2 G Ex ia IIC T6, T5, T4 Gb (ATEX)
Ex ia IIC T6, T5, T4 Gb (IECEx)
The transmitter is certificate SIL 2 for functional safety.

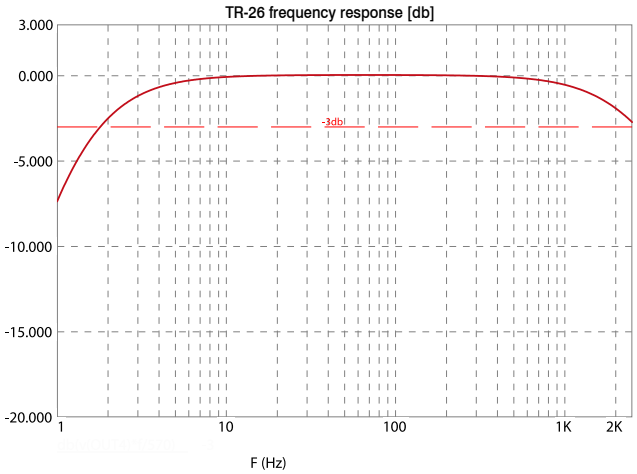
ABSOLUTE VIBRATIONS

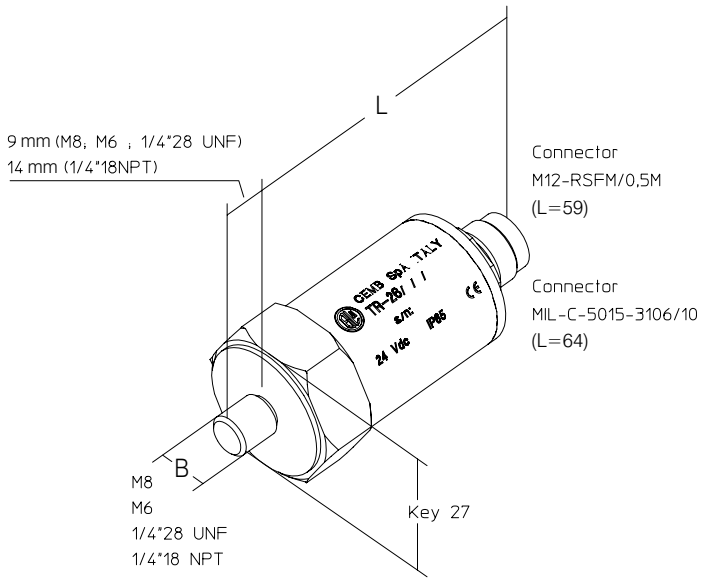
TECHNICAL CHARACTERISTICS

Composition	■ AISI 316L stainless steel body
Power supply	■ 24 Vdc (10 ÷ 35 Vdc) current loop 4 ÷ 20 mA (2 wires)
External connections	■ MIL-C-5015 2 poles connector (conductors max section 2,5 mm^2) ■ 4 poles M12 connector
Environmental	■ - 60°C ÷ + 120°C ■ IP 65 EN 60529/10.91 standards
Measure type	■ omnidirectional seismic (absolute vibration)
Application axis	■ any
Dynamic field	■ ± 18 g
Transverse sensitivity	■ < 5 %
Linearity	■ ± 3% - 75 Hz
Dynamic performances	■ ±5% / 10Hz-1kHz ■ -3db / 1,5Hz - 2kHz
Insulation	■ ≥10^8 Ω between signal and container
Standard machine connection thread	■ see tables "MACHINE CONNECTION THREAD"
Maintenance	■ no maintenance is needed
Electrical connections	■ bipolar shielded cable
Mounting torque	■ 5÷10 N-m

CEMB
BALANCING MACHINES

TR-26





ORDER INFORMATION

TR - 26 / A / B / C / D

A: MEASURING FIELD

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

B: MACHINE CONNECTION THREAD

0	M8x1,25
1	¼'' – 18NPT
2	¼'' – 28UNF
3	M6x1 (only for standard version)

D: CONNECTION

0	MIL-C-5015 2 pins
1	M12 4 pins (only for standard version)

C: CERTIFICATIONS

0	standard
2	Ex II 2 G Ex ia IIC T6, T5, T4 Gb (ATEX)
5	Ex ia IIC T6, T5, T4 Gb (IECEx)

CABLES AND OPTIONAL ACCESSORIES

CABLES:

SHIELDED CABLE 2X1 STANDARD 80419-P
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)

SHIELDED CABLE ARMOURED IN ETFE WITH SILICON BUMP
CBL-TR-26 / E / 2 / XX (lenght in meters)

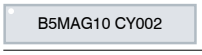
ONLY CONNECTORS:

2 PINS STRAIGHT (standard) 597023104

2 PINS 90° 597023108 + 59070352

OTHER:

ZENER BARRIER Z787 (for hazardous area) 800208787



PLASTIC TAG 040STR000

STAINLESS STEEL TAG 980710835

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