

VIBRATION TRANSMITTER WITH VIBROALARM DISPLAY MODULE

TR-LITE



TR-LITE is a compact 4-20mA vibration transmitter that measures the absolute vibration and protects any type of rotational machine. The body of the transmitter is made of AISI 316L stainless steel with minimum IP65/IP68 enclosure.

It is available in 4 different configuration:

- M12 4 Pin connector
- Vibroalarm display module
- Integrated standard Cable
- Integrated armoured cable

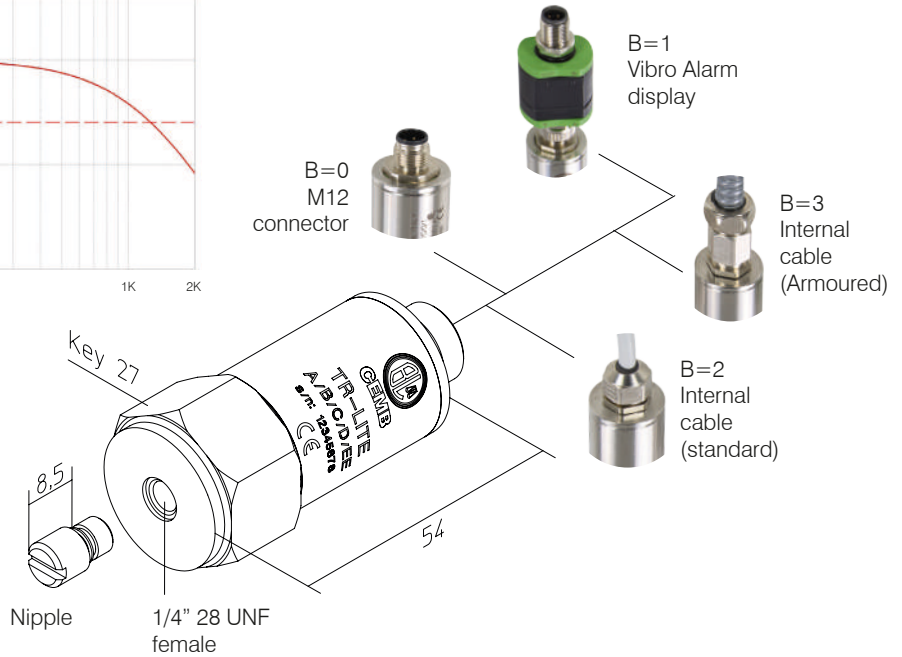
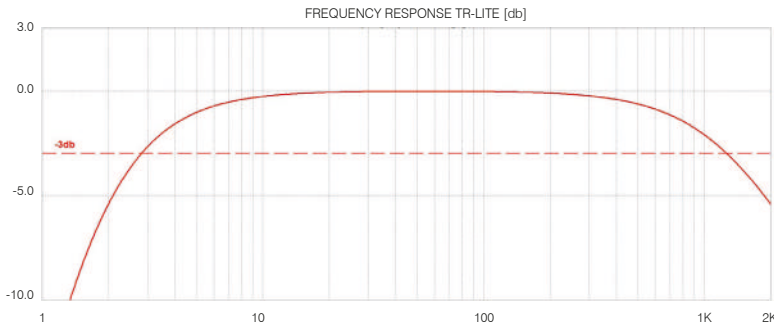
The vibroalarm module adds brilliant red/green display + configurable PNP digital output.



TECHNICAL CHARACTERISTICS

Composition	■ AISI 316L stainless steel body
Power supply	■ 24 Vdc (10 ÷ 35 Vdc) current loop 4 ÷ 20 mA (2 wires)
External connections	■ 4 poles M12 connector ■ integrated cable
Environmental	■ -45°C +105°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	■ ± 5% - 75 Hz
Dynamic performances	■ ±10% / 10Hz 1kHz ■ -3db / 3Hz 1,5kHz
Insulation	■ ≥108 Ω between signal and container
Shock resistance	■ 100 g
Maintenance	■ no maintenance is needed
Storage conditions	■ - 60°C ÷ +120°C
Mounting torque	■ 5÷10 N-m

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ORDER INFORMATION

TR - LITE / / /

A: MEASURING FIELD [RMS]

0	0 ÷ 10 mm/s
1	0 ÷ 20 mm/s
2	0 ÷ 50 mm/s
7	0 ÷ 25,4 mm/s (0 ÷ 1 in/s)
8	0 ÷ 12,7 mm/s (0 ÷ 0,5 in/s)

B: CONNECTION

0	CONNECTOR: M12 4 poles
1	VIBROALARM - with integrated display
2	CABLE: INTEGRATED SHILDED 2X1*
3	CABLE: INTEGRATED ARMoured*

*Lenght to be defined (see point C)

C: CABLE LENGHT (M)

0	No cable (mandatory for B=1)
XX	1 - 10 m

CABLES AND OPTIONAL ACCESSORIES

Nipple code	Thread	Reference picture
440315770	1/4" - 28 UNF	
440315760	M8 x 1.25	
440315750	M6 x 1	
440814330	M10 x 1.5	
440A008780	M10 x 1	
440A042669	M8 x 1	

B5MAG10 CY002	PLASTIC TAG	040STR000
B5MAG10 OY002	STAINLESS STEEL TAG	980710835

Cables with integrated M12 5 poles female connector (for connectors only, not for connection B=2 and B=3):

Codice	Length	Direction	Pinout	B0 Current loop	B1 VibroAlarm Display
65800B050	5m PUR Black			<ul style="list-style-type: none"> 1 - Brown (SIG +) 2 - White (SIG -) 3 - 4 - 5 - 	<ul style="list-style-type: none"> 1 - Brown (L+ supply) 2 - White (4-20mA OUT) 3 - Blue (L- supply) 4 - Black (Digital OUT) 5 -
65800B150	10m PUR Black				
658000144	10m PUR Black		M12 FEMALE	Blunt cut on cable free side	Blunt cut on cable free side



CEMB
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