

LOW997 INDUSTRIAL

Technical datasheet - placeholder document

VX-450 Explosion-Proof Vibration Transmitter

Model VX-450 - Industrial Sensors & Instrumentation

ATEX Zone 1 condition-monitoring transmitter combining an IEPE accelerometer element, a 24-bit acquisition stage and an edge FFT engine in a single 316L housing.

SPECIFICATIONS

Sensor element	IEPE piezoelectric accelerometer
Measurement range	+/- 50 g peak
Frequency response	0.5 Hz - 10 000 Hz (+/- 3 dB)
Sensitivity	100 mV/g +/- 5 %
Sampling rate	25.6 kS/s
On-board FFT	800 lines, Hanning window
Analog output	4-20 mA, velocity RMS (ISO 10816)
Digital output	RS-485, Modbus RTU, 115.2 kbit/s
Supply voltage	24 V DC, 12-32 V DC range
Operating temperature	-40 degC to +125 degC
Enclosure	316L stainless steel, IP68 / IP69K
Hazardous area rating	ATEX Zone 1 II 2G Ex ia IIC T4 Ga / IECEx
Mass	0.42 kg

CERTIFICATIONS

CE - EMC Directive 2014/30/EU
ATEX 2014/34/EU - Zone 1, Ex ia IIC T4 Ga
IECEx - Ex ia IIC T4 Ga
ISO 9001:2015 - Quality management system
RoHS 3 - EU 2015/863

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