

Dual—Triaxial Vibration Sensor with Modbus Output



HIGHLIGHTS

- Small Footprint
- One Cable Run Between Sensors
- Acquire Dynamic Data Via Modbus
- 1kHz and 5.6kHz Frequency Band
- Programmable Filters .5Hz to 6kHz
- Completely Sealed better than IP64
- Programmable Alarm Setpoints
- Configurable for Impact Sensing
- Includes Temperature Sensor

Machine Saver has a unique line of vibration sensors that connect serially and is configurable to communicate, dynamic data for FFT, acceleration, velocity and Impact.

APPLICATIONS

- Conveyor Belt Drives
- Cooling Towers
- Fin Fans
- Combustion Gas Engines
- Motors
- Pumps
- Reciprocating Pumps, Compressors
- Rotary Screw Compressors
- Waste Water Treatment Plants



CELLULAR
(3G, 4G)



ETHERNET
(MODBUS TCP)



Wi-Fi



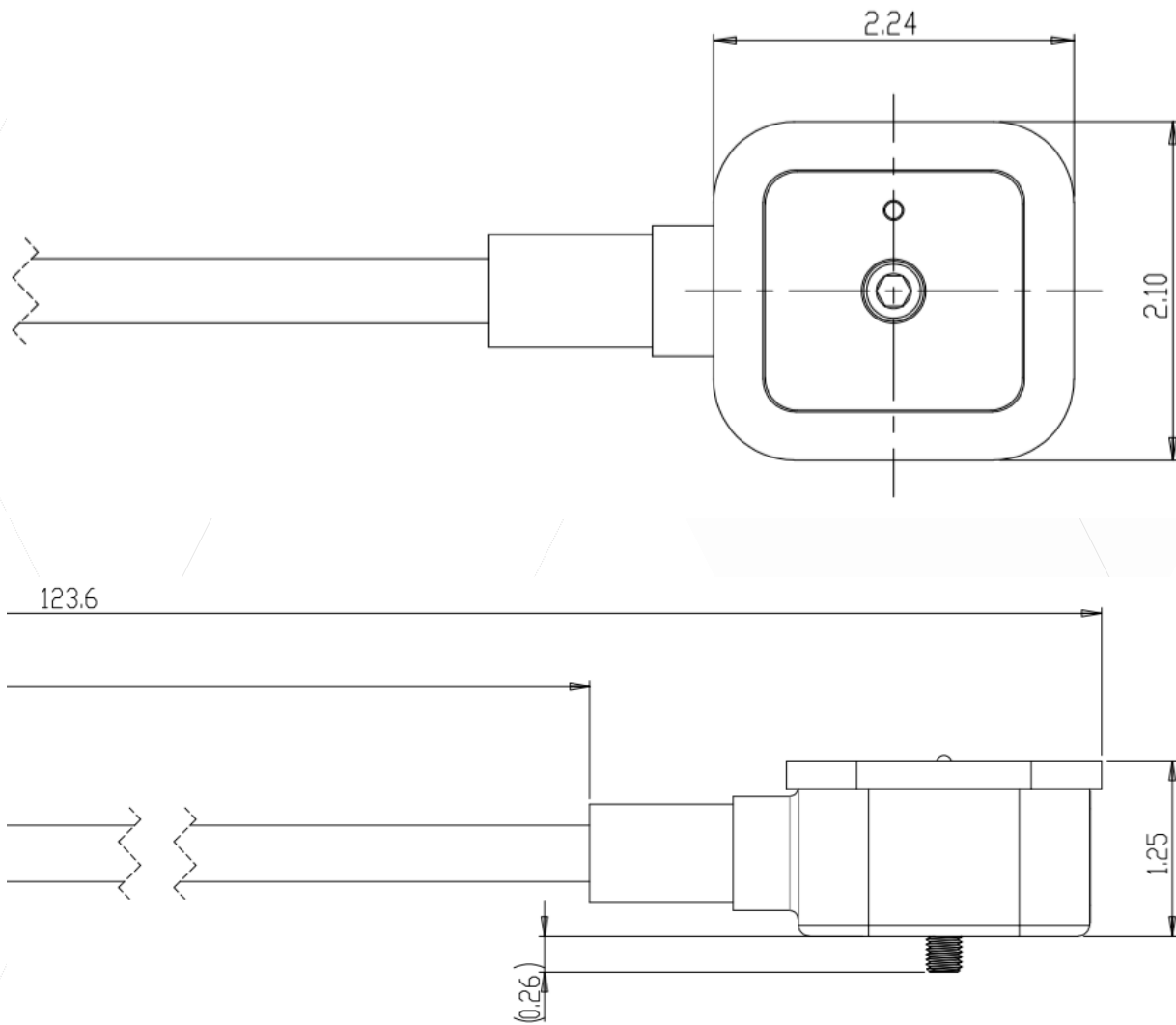
USB
(MODBUS RTU)
(FREEWARE)



VTB 25G/2G SENSOR VTB 4G/2G SENSOR

Internal Sensor Sensitivity Specifications	25G/2G & 100G/2G Sensors	2G/4G Sensor
Measurement Range Hz	.4 to 5000 Hz on 3-axis	.4 to 1000 Hz on 3-axis
Sample Rate of Analog Data	50,000 S/s	50,000 S/s
Programmable Filter Range Low Pass/High Pass	.5 Hz to 6500 Hz	.5 Hz to 6500 Hz
Communication Specifications		
Configuration of Sensor	Via Software or Modbus Register	Via Software or Modbus Register
Serial Communication Connection Type	RS485 2wire Half-Duplex	RS485 2wire Half-Duplex
Modbus Protocol	Modbus RTU Slave	Modbus RTU Slave
Baud Rate	115200 baud	115200 baud
Parity	None	None
Data Bits	8	8
Stop Bits	1	1
Termination	120 Ohm internal T-Port	120 Ohm internal T-Port
Power Specifications		
Voltage	24VDC Nominal 18VDC to 30VDC	24VDC Nominal 18VDC to 30VDC
Max Current	45ma nominal/ 80ma max	45ma nominal/ 80ma max
Sensor Wire gauge	18 gauge	18 gauge
Operating Temperature Range	-40 Deg C to 105 Deg C	-40 Deg C to 105 Deg C
Agency Protocol	CSA/US Class1 Div2, ABCD	CSA/US Class1 Div2, ABCD
Pending Approval	CE and RCM	CE and RCM
Dimensions		
Height	1.25 inches	1.25 inches
Length	2.25 inches	2.25 inches
Width	2.1 inches	2.1 inches
Weight	4.3 Oz.	4.3 Oz.
Mounting Bolt	1/4 – 28 UNF	1/4 – 28 UNF
Case Material	PPS Polyphenylene Sulfide	PPS Polyphenylene Sulfide





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