





Features

- Converts dynamic IEPE accelerometer signals into 4-20mA signals representing RMS, peak or peak-peak values.
- Converts temperature(10mV/° C) signals into 4-20mA signals.
- Provides buffered raw signal output on a BNC connector for data collection or signal analysis.
- Provides dynamic signal terminals for hard wired online systems.
- Provides optional filtering for custom band measurements.
- Slim, DIN rail mounted package.



VT-3510 series

Vibration Signal Transmitter

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SPECIFICATIONS

Output, 4-20mA loop current	Output current		4-20 mA
Buffered raw output	Gain		1.0
	AC couple		0.95 Hz
Input	Sensor type		IEPE accelerometer or Thermometer
	Sensor sensitivities	Accelerometer	10 mV/g, 100 mV/g, 500 mV/g
		Thermometer	10 mV/ °C (DC signal)
Sensor powering	Open circuit voltage		20 V ±1V
	Constant current		4 mA ±10%
Environmental	Power	Voltage	DC 24V
		Consumption	< 3W
	Operating temperature		-20°C to 60°C
	Fuse		120 mA (Self resettable)
Physical	Mounting		snap fit, 35 mm DIN rail
	Width		17.5 mm (0.69 inch)
	Depth, front of BNC to back of DIN rail		125 mm (4.9 inch)
	Height		100 mm (3.9 inch)

PART NUMBERING SYSTEM AND MEASUREMENT FEATURE

VIBRATION MEASUREMENT

VT-3510 – □ – □ □ – □ □ – □

Output vibration type

- **A :** Acceleration
- **V :** Velocity
- **D :** Displacement

Low Frequency Cut Off (-3dB)

- **2 :** 2Hz(not available in Displacement)
- **5 :** 5Hz
- **10 :** 10Hz
- **20 :** 20Hz

High Frequency Cut Off (-3dB)

- **1K :** 1KHz
- **2K :** 2KHz
- **5K :** 5KHz(not available in Displacement)
- **10K :** 10KHz(not available in Velocity and Displacement)

Sensor's Sensitivity

- **10 :** 10 mV/g(not available in Displacement)
- **100 :** 100mV/g
- **500 :** 500 mV/g

Detection type

P : peak **R :** RMS **PP :** peak to peak

4-20mA Full Scale Range

for Acceleration

5E : 5G	**10E :** 10G	**20E :** 20G
50M : 50 m/s²	**100M :** 100 m/s²	**200M :** 200 m/s²

for Velocity

0.5E : 0.5 ips	**1E :** 1 ips	**2E :** 2 ips
15M : 15 mm/s	**25M :** 25 mm/s	**50M :** 50 mm/s

for Displacement

10E : 10 mil	**20E :** 20 mil	**25E :** 25 mil
200M : 200 um	**500M :** 500 um	**1000M :** 1000 um

TEMPERATURE MEASUREMENT

Part Number : VT-3510-TEMP
Frequency Range : DC, Full scale output: 120˚C
Sensor's sensitivity: 10mV/˚C



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