

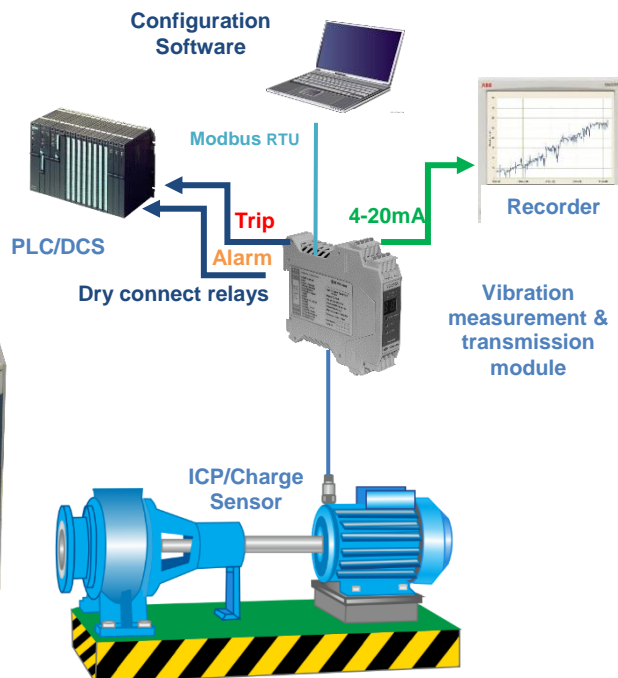
# VC-200A Vibration module

Signal Conditioner /Transmitter /Monitor

Microprocessor Based

## Key Features

- ICP® /Voltage/Current Transducer
- Acceleration/Velocity/ Displacement Output
- Dynamic / overall value 4-20mA Outputs
- 2 output relays fully configurable with software
- Buffered acceleration output
- ICP® transducer OK status LED
- DIN Rail Mounting
- Push-in type connectors
- Energize and De-energize relay selection
- Delay shutdown function
- Supported Modbus RTU Protocol



### Technical Specs.

Input	100 mV/g constant current accelerometer (Other sensitivities available)
Frequency Range	1 Hz to 10 kHz (-3dB) (Optional)
Filter	Butterworth force filter order 8-pole
Dynamic Range	80 db
Signal Conditioner:	Amplifier/integrator to obtain velocity or displacement response

### Mechanical

Case Material	Plastic
Mounting	DIN Rail TS35 (Top Hat)
Dimensions	134 x 99 x 22.5 mm (H x D x W)
Connections	Push in Clamp
Conductor Size	0.5 to 4.0 mm
Weight	110 gms (nom)

### Electrical

Power Input	+24 V DC (50 mA)
Output 1	0-20 mm/s rms Velocity (other ranges available)
Output 2 (BNC)	Buffered dynamic acceleration signal

### Environmental

Operating temperature range	0 to 55 °C
Installation Category (IEC664)	II
Equipment Class (IEC536)	III
EMC	EN61326-1:2013

### Communication Features

Relays	2 SPDT, 1A Form C 24Vdc	Configuration Software	Vibsens-CNFG
Statuses LED	3 LEDs Run/Error, Trip, Alarm	Communication Protocol	Modbus RTU
		Communication Port	RS-232

### Ordering info.

Standard order: I-A-100A-02-02-04-V-01K-10-O-EN

Configuration	Select Sensor	Input Source	Full Scale Range	Alarm Value	Trip Value	Output Units	Low Pass Filter	High Pass Filter	Output	Relay Type
<b>I</b> = ISO (Standard Order)  <b>S</b> = Factory configured  VC210A Module is user configurable after initial set up & accept Filters	<b>A</b> =Accelerometer	<b>500A</b> = 500 mV/g Accelerometer	<b>01</b> = 0 - 1.0	<b>01=1</b>	<b>01=1</b>	<b>A</b> =m/s <sup>2</sup>	<b>01K</b> = 1KHz <b>02K</b> = 2KHz <b>xxK=XX</b>	<b>10</b> = 10Hz <b>02</b> = 2Hz	<b>O</b> =4-20mA (Overall data)  <b>D</b> =4-20 mA (Dynamic Data)	<b>EN</b> =Energized <b>DE</b> =De-energized
	<b>V</b> =Velocity	<b>100A</b> = 100 mV/g Accelerometer	<b>02</b> = 0-20	<b>02=2</b>	<b>02=2</b>	<b>V</b> = mm/s				
	<b>D</b> = Displacement	<b>050A</b> = 50 mV/g Accelerometer <b>010A</b> = 10 mV/g Accelerometer	<b>05</b> = 0-50	<b>03=3</b>	<b>03=3</b>	<b>U</b> =µm				
		<b>100V</b> = 100 mV/IPS Velocity Sensor <b>500V</b> = 500 mV/IPS Velocity Sensor	<b>xx</b> = X	<b>04=4</b>	<b>04=4</b>					
		<b>200D</b> = 200 mV/mils Displacement <b>008D</b> = 8 V/mm Displacement		<b>05=5</b>	<b>05=5</b>					
				<b>xx=X</b>	<b>xx=X</b>					

