

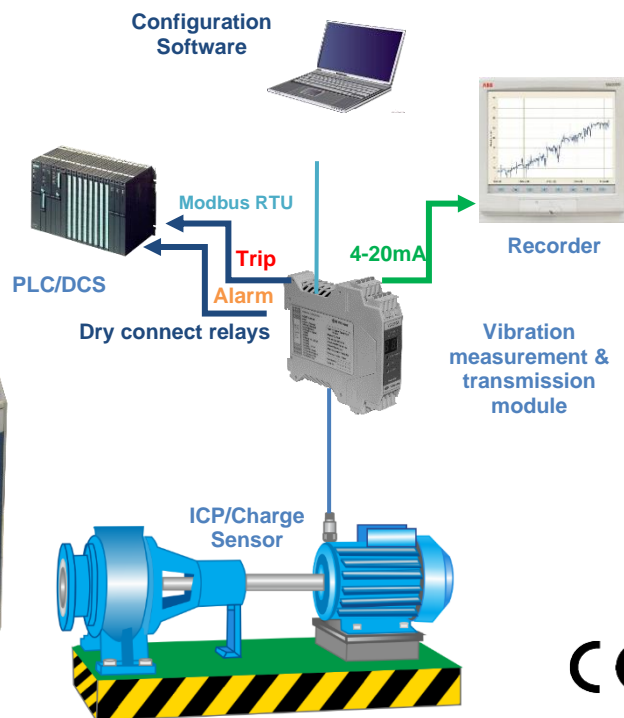
# VC-210A Vibration module

Signal Conditioner /Transmitter /Monitor

Microprocessor Based

## Key Features

- ICP® /Voltage/Current Transducer
- Acceleration/Velocity/ Displacement Output
- 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

Configuration Software	Vibsens-CNFG
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Relays	2 SPDT, 1A Form C 24Vdc
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-10-00-EN

Configuration	Select Sensor	Input Source	Full Scale Range	Alarm Value	Trip Value	Output Units	Low Pass Filter	High Pass Filter	Output	Relay Type
I = ISO (Standard Order)	A=Accelerometer	500A = 500 mV/g Accelerometer	01 = 0 - 1.0	01=1	01=1	A=m/s <sup>2</sup>	01K = 1KHz	10= 10Hz	00=No output	EN =Energized DE =De-energized
	V=Velocity	100A = 100 mV/g Accelerometer	02 = 0-20	02=2	02=2	V= mm/s	02K = 2KHz	02= 2Hz	10=4~20mA (Overall data)	
S = Factory configured	D= Displacement	050A = 50 mV/g Accelerometer	05 = 0-50	03=3	03=3	U=µm	xxK=XX		01= Dynamic AC buffered output	
		010A = 10 mV/g Accelerometer	xx = X	04=4	04=4				11= Dynamic AC buffered output & 4~20mA Overall data	
		100V = 100 mV/IPS Velocity Sensor		05=5	05=5					
		500V = 500 mV/IPS Velocity Sensor		xx=X	xx=X					
		200D = 200 mV/mils Displacement								
		008D = 8 V/mm Displacement								

