

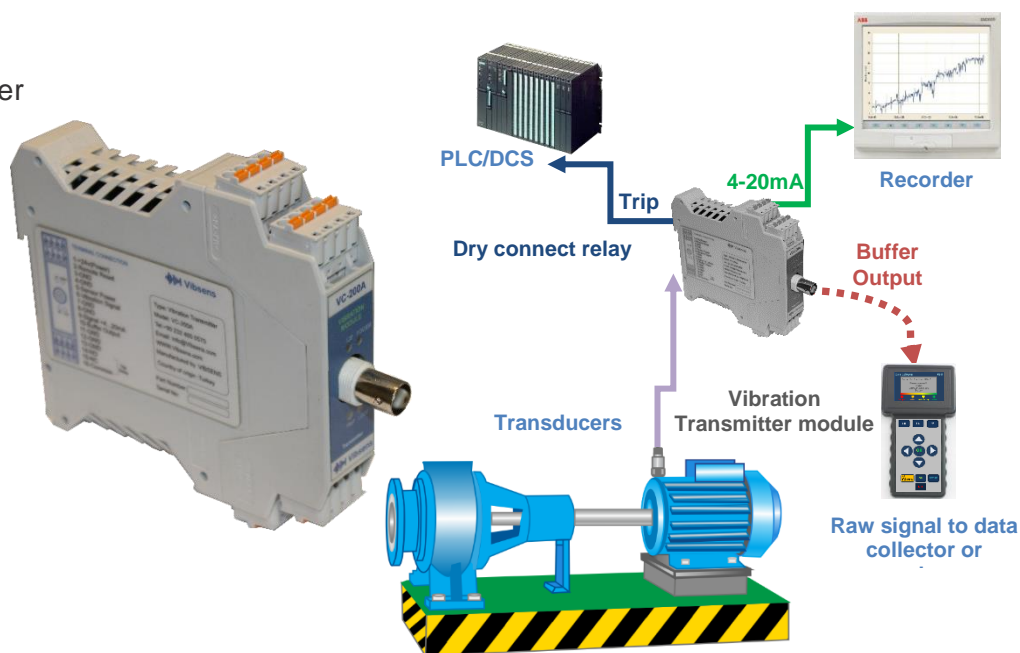
VC-200A Vibration Module

Signal Conditioner / Transmitter

Analog

Key Features

- ICP® /Voltage/Current Transducer
- Acceleration/Velocity/ Displacement input signal
- 4-20mA output of dynamic signal / overall value
- Buffer output signal
- ICP® sensor OK Function
- Current loop Error Function
- Delay Shutdown Function
- DIN Rail Mounted
- Energize and De-energize Relay Select
- Push-in type Connectors



Technical Performance

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) including BNC
Connections	Push in Clamp
Conductor Size	0.5 to 4.0 mm
Weight	110 g (nom)

Electrical

Power Input	+24 V DC (50 mA)
Output 1	0-20 mm/s rms Velocity (other ranges available)
Output 2 (BNC)	Buffered acceleration output without Bias voltage

Relays Output: 1 SPDT, 1A Form C 24Vdc
LED Status: 4 LEDs Power, Loop, ICP, and relay

Environmental

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

How To Order

Standard order: I-A-100A-02-05-V-01K-10-O-EN

Configuration	Input type	Input transducer	Full Scale Range	Alert Value	Output Units	Low Pass Filter	High Pass Filter	Output	Relay Type
I = ISO (Standard Order) S = Factory configured Vc200A system is user configurable after initial set up and accept frequency filters	A=Acceleration	500A = 500 mV/g Accelerometer 100A = 100 mV/g Accelerometer 050A = 50 mV/g Accelerometer 010A = 10 mV/g Accelerometer 100V = 100 mV/IPS Velocity Sensor 500V = 500 mV/IPS Velocity Sensor 200D = 200 mV/mils Displacement 008D = 8 V/mm Displacement	01 = 0-200 02 = 0-100 05 = 0-40 10 = 0-20	01=1 02=2 03=3 04=4 05=5 xx=X	A=m/s ² V= mm/s U=µm	01K =1KHz 02K = 2KHz xxK=XK	10 = 10Hz 02 = 2Hz	O =4-20mA (Overall value) D =4-20 mA (Dynamic signal)	EN =Energized DE =De-energized