

VibroControl300

The VibroControl300 is a 4-channel Vibration Monitor designed to measure and protect critical rotary machine.

Now, operators who are not "vibration experts" can easily recognize alarm conditions using the VibroControl300 standard process control signal to interface with standard PLC, DCS and SCADA systems. Additionally, vibration analysts can access the dynamic signal for detailed analysis with industry standard data collectors and online monitoring systems.



Performance

- **Input Type:**
 - System is able to interface with diverse transmitters /monitors /sensors also from third party:
 - ICP® / charge mode accelerometer
 - Displacement Sensors
 - Velocity Sensors
 - KeyPhasor®/ Tachometer
 - Other voltage/current driven sensors
- **Signal Conditioner:** Amplifier/integrator to obtain velocity or displacement response by integration
- **Frequency Response:** 1 Hz to 10 kHz (Optional)
- **Over Voltage:** 30 V Pk-Pk
- **Input Voltage:** 24VDC
- **Current Output:** 4-20 mA
- **Accuracy:** 0.2mm/s ~ 100 mm/s
- **Dynamic Range:** 60dB
- **Phase Linearity:** (0.1 Hz to 10 kHz) ±1 deg

Environmental

- **Operating Temperature:** -40°C to +85°C
- **Storage Temperature:** -40°C to +85°C (-40°F to +185°F)
- **Humidity:** 0% to 95% non-condensing

System Compatibility

- **Monitoring Software:** Vibro-SCADA Software

Physical

- **Housing:** Aluminum Alloy
- **Weight:** 1Kg
- **Dimension:** 90*90*185 mm (with BNC and Connector 250*90*90mm)
- **Input Channels:** 4 channels
- **Input Connector:** Screw Terminal
- **Mounting:** Panelmount
- **Buffered Output:** for connection to vibration analyzer systems and portable data collectors
- **Relay output:** For connection to Controller systems (PLC,DCS,...)
- **Adjustable Full Scale Range:** Single Turn Potentiometer (0-100% Full Scale Range)
- **Bandwidth and Alias Rejection:**
 - **Specifications :** Low-Frequency Alias Rejection
 - **Alias-free bandwidth (passband):** 0.1~12000Hz
 - **Alias rejection, minimum**
 - **-3 dB bandwidth, 0.5 ~10000Hz**
- **Provides a 1amp, form C (SPDT) to relay output**

Certificate

- **ISO/IEC 17025**
For ABP products (VibroControl300, VibroRack3000,VibroRack1000,VibroEX50,Vibro1030) and other vibration measurement systems
- **Electromagnetic Compatibility:**
EMC (IEC61000-6-2, IEC61000-6-4)
Safety (IEC61010)

Communications

- **Standard communication:** HMI (RS-485,RS-232)Port, HMI (Modem) Port

