

1-895M

Multi-Channel Digital Vibration Monitor



Applications

- Industrial Fans
- Compressors
- Centrifugal Pumps
- Motors
- Cooling Towers

Features (Per Channel)

- Dual Alarms
- 3-digit LCD display
- 30-second start-up trip delay, prevents false alarms
- 4-20 mA output
- Velocity or Displacement response

Description

The 1-895M is a versatile multi-purpose Vibration Monitor, featuring solid state electronics. The 1-895M is available in a variety of input/output configurations.

The 1-895M constantly monitors the vibration levels on critical machinery and provides timely feedback in the event of machine breakdown. There is a 30-second monitor start-up delay that is initiated by the application of power or the grounding of the start input at which point the delay does not begin until the start input is released.

The active vibration level for each channel is displayed on individual 3-digit displays, and each channel provides a proportional 4-20 mA current loop output. The alarm levels are easily set via two front-panel push-buttons located next to each channels display. Two alarm indicators are present and indicate when an alarm level is exceeded and the corresponding alarm relay will also be enabled. The alarms are latched and must be reset at the 1-895M or via an optional external remote alarm reset input.







1-895M Multi-Channel Digital Vibration Monitor

Performance Specifications

Vibration Range: See ordering guide Section C

Frequency Range: 2 Hz to 1000 Hz

Display Accuracy: ±5%

Sensor Input: 100mV/g or /ips

See Ordering Guide Section A

3.5V max

Alarm Setpoints : User programmable 0 - full scale

Alarm Contact State: User programmable NO or NC

NO = Power Off State

Alarm Contact Rating: See Ordering Guide Section B

Alarm Latch: User programmable Non-Latching

or Latching

Alarm Outputs: Dual alarm relays are isolated

from system electronics

Analog Output: 4-20 mA current loop proportional

to the full scale output

Alarm Reset / Start Inputs: External inputs must be shorted to

common to activate

Display: 3-digit LCD display

Power: 100-240 VAC 50/60 Hz

Temperature Range

Operating: 0°F to +150°F (-18°C to +65°C)
Storage: -67°F to +185°F (-55°C to +85°C)

Humidity: 0 to 95% relative humidity non-

condensing

I/O Connections Per Channel

Analog Output: 4-20 mA+
Common

Control Inputs: Start Input

Reset Input

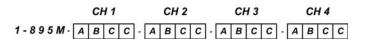
Alarms: 1 Out -

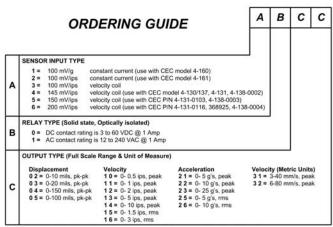
1 Out + 2 Out -

2 Out +

Ordering Information

In keeping with CEC's policy of continuing product improvement, specifications may be changed without notice.





NOTE: Special configurations can be accommodated. Please consult the factory for assistance



The example unit includes four channels. Each channel is configured independently of the others by selecting the appropriate Sensor Input, Relay and Output from table sections A, B and C respectively.

For applications with less than four channels, enter 0000 for the extra channel(s)

