

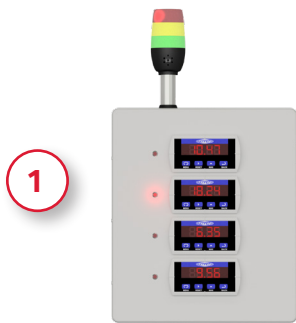


# ProcessDefense

## Automated Vibration Monitoring Kit

CTC introduces its innovative ProcessDefense Automated Vibration Monitoring Solution which integrates the advanced features of the PMX1500 Series Vibration Relay & Display System with a newly-added stack light feature. This comprehensive solution harnesses the power of CTC's Loop Power Sensors to trigger alarms and shut down machinery based on the amplitude of the overall vibration within a selected frequency range, to protect critical machinery and processes from excessive vibration and catastrophic failure.

### Kit Components



**PMX1500 Series Relay & Display Enclosure with Stack Light**  
*Factory configurable for 1 to 4 Loop Power Vibration Sensors. Options available for a red light or tricolor stack light.*



**CTC Loop Power Sensors**  
*Select from a wide variety of Loop Power Vibration Sensors which output a 4-20 mA current proportional to the overall vibration in either velocity or acceleration.*



**CTC Cabling of Your Choice**  
*Suggested: CB102-A2A-020-Z  
(Please note, length is fully customer configurable).*

## How It Works

CTC's Loop Power Vibration Sensors harness the power of CTC's 4-20 mA technology to generate a current signal proportional to the overall vibration of the equipment being monitored. Loop Power Vibration Sensors are widely appreciated for their cost-effectiveness and ability to transmit signals over long distances with no signal loss. Every CTC Loop Power Vibration Sensor is customer configurable to focus on the measurement range and frequency band that is crucial for your machinery.

Sensor cabling from installed Loop Power Vibration Sensors can be terminated in a PMX1500 Series Enclosure with Stack Light. Once cabling is connected, the relays on the front of the PMX1500 Series Enclosure will display the overall values from sensor inputs and can be programmed to alarm and/or shutdown the machine if the machine's vibration exceeds preset values.

