

# CATALYST MONITOR

Ensures that your catalytic converter stays RICE NESHAP compliant with differential pressure and temperature settings

Improved and compact design to ensure simplified and fast installation. Once unit is mounted, the monitor is preprogrammed to set the differential pressure and begin monitoring to RICE NESHAP requirements.

## THE FOLLOWING PARAMETERS ARE MONITORED:

- Catalyst inlet/outlet pressures plus differential
- Instantaneous catalyst inlet temperature
- Engine hours (non re-settable) as per RICE NESHAP
- Engine speed
- Alarms when any parameters are out of compliance
- On-board data logging on alarm history with date/time stamp

## FEATURES

- Automatic engine run sensor
- Quick Disconnect Thermocouple (0-1700F) for easy installation
- Pressure transducers (0-15) in PSI
- Connections for both AC & DC power to suit your various application needs
- Alarm connections
- NEMA IV enclosure
- CSA Class I, Div 2 Groups A, B, C & D approved

## BENEFITS

- 3 year warranty
- USB Flash Drive for an effortless data download process
- Mounting brackets for easy installation
- Easy to read backlit LCD display
- Fully programmable from front keyboard
- Power loss will not erase memory



**Package components include:** 25 Feet 1/4" SS tubing, two 1/2" MNPT, two 1/4" female NPT, 2 pressure transducers, 1 thermocouple, USB flash Drive, 4-20mA output, 2 wire loop powered, 30' (9m) cable standard, two 1/2 in" street elbows, mounting brackets and NEMA IV enclosure.

## SPECIFICATIONS

### Mechanical

- EMA IVX enclosure
- 2 pressure transducers
- 1 thermocouple
- Touchscreen monitor graphical display of sensor readings

### ELECTRICAL

**Supply Voltage:** 24 VDC or 110VAC Option  
**Input Types:**

- K-Type Thermocouple
- 4-20 mA
- 0-1 VDC
- 0-5 VDC
- 0-10 VDC
- Plus (1) pulsed input for RPM display

**Output Types:** (2) digital outputs configurable as NO or NC rated 0.15A @ 48VDC

**Scan Rate:** All channels scanned in 100 milliseconds

**Accuracy:** 0.2%