

Catalyst Monitor

6 Channel Monitor w/ Differential



Designed for catalyst monitoring requirements on rich-burn & lean-burn engines.

- NSCR (3-way) & Oxidation (2-way) type catalysts

The following parameters are monitored:

- Catalyst Inlet / Outlet Temperatures plus Differential
- Catalyst Inlet / Outlet Pressures plus Differential
- Left Bank / Right Bank O2 Sensor Outputs for ensuring proper AFC operation
- Engine Hours (non re-settable)
- Engine Speed
- Alarms when any parameter out of compliance
- On-Board Data Logging of Alarm History with Date / Time Stamp

Calculates & displays catalyst inlet temperature based on 4 hour rolling average per RICE NESHAP requirements – alarms when out of compliance

- Modbus RS-485 Communications Protocol
- CSA Class I, Division 2 Groups A, B, C & D approved



- Fully programmable from front keypad
- Power loss will not erase memory
- Backlit LCD Display

SPECIFICATIONS

Electrical:

Supply Voltage: 10 – 36 VDC

Input Types: J, K type thermocouple
 4 – 20 mA
 0 – 1 VDC
 0 – 5 VDC
 0 – 10 VDC

Plus (1) pulsed input (magnetic pickup) for RPM display

Output Type: (2) digital outputs configurable as N.O. or N.C. rated 0.15 A @ 48 VDC

Scan Rate: All channels scanned in 100 milli-seconds

Accuracy: 0.2%

Mechanical:

¼ DIN package (3 ½" width X 3 ½" height) for panel mount

Splash-proof front panel

Removable connectors on back of enclosure

