

Catalyst Monitor

6 Channel Monitor / Data Logger



Designed for catalyst monitoring and data logging on Spark Ignited and Diesel 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 AFRC operation
- Engine Hours (5-digit non-resettable)
- Engine Speed
- Can be configured to alarm if inlet temperature out of compliance
- On-Board Data Logging of thousands of values with time / date stamp

Monitors catalyst inlet temperature based on 4 hour rolling average per RICE NESHP requirements – data is saved to non-volatile flash memory

- Modbus RS-485 Communications Protocol for communications w/ SCADA or DCS
- CSA Class I, Division 2 Groups A, B, C & D approved

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- Fully programmable from front keypad
- High capacity on board flash memory
- Power loss will not erase memory
- Log Reader software allows data download to PC with USB cable p/n 270A-13020



Date	EventID	Value
1/13/2012 8:25	0	1075
1/13/2012 8:10	0	1072
1/13/2012 7:55	0	1070
1/13/2012 7:40	0	1078
1/13/2012 7:25	0	1078
1/13/2012 7:10	0	1080
1/13/2012 6:55	0	1078
1/13/2012 6:40	0	1085
1/13/2012 6:25	0	1082
1/13/2012 6:10	0	1078
1/13/2012 5:55	0	1079
1/13/2012 5:40	0	1080
1/13/2012 5:25	0	1070
1/13/2012 5:10	0	1076
1/13/2012 4:55	0	1082
1/13/2012 4:40	0	1081
1/13/2012 4:25	0	1079
1/13/2012 4:10	0	1075
1/13/2012 3:55	0	1078
1/13/2012 3:40	0	1080

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 for RPM display

Output Type: (2) digital outputs rated 0.15 A @ 48 VDC

Scan Rate: All channels scanned in 100 milli-seconds

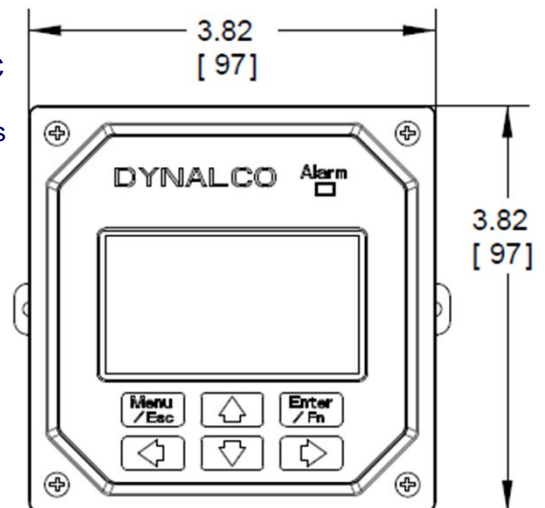
Accuracy: 0.2%

Mechanical:

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

Splash-proof front panel

Removable connectors on back of enclosure



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