THE CONTINENTAL CONTROLS SOLUTION
Over the years of integrating Air Fuel Ratio Controls (AFRC) and catalysts for Gas Engines it has become apparent that there is a need to monitor various inputs and outputs to NSCR and Oxidation catalysts to provide some assurance that these devices were working as designed. The CCC Catalyst Monitor provides this function and is available in two versions:

1. FOR DATA LOGGING ONLY  This version will monitor various inputs as configured by a user over an extended period of time.

2. FOR DATA LOGGING AND AUTOMATIC ADJUSTMENT OF THE CCC AFR SET POINT
The “Intelligent” version will communicate via CAN-Bus with the CCC Air Fuel Ratio Controller to make corrections to the Set Point to maintain low emissions levels and extend the useful life of the catalyst by using a special post catalyst NOX sensor.

Gas Engines subject to RICE MACT are required to monitor catalyst temperatures continuously. Catalysts require heat to react with targeted emissions. The Cat Monitor will monitor both pre- and post-catalyst temperature and notify the user if either a minimum or maximum temperature is exceeded.

The Cat Monitor is available as a Data Logger only or as a real time automatic trim to a CCC AFR system.
Increased differential pressure across the catalyst indicates masking/fouling of the catalyst elements. A substantial decrease in this differential pressure can indicate severe damage. Our Catalyst Monitor will log the differential pressure, notify the user of any unacceptable conditions and ensure your engine remains in compliance continuously.

**OPERATING TEMPERATURE**
From -40 to 185 Degrees F

**INPUTS**
- 2 Wide Band O₂ Sensors
- 2 NOₓ Sensors
- 2 Thermocouple Inputs
- 1 Differential Pressure Input

**OUTPUTS**
- 1 4/20 ma Input (Possibly for Flow Measurement)
- 2 CAN-Bus Inputs (If NOₓ Sensors are not used)

**ADDITIONAL SPECIFICATIONS**
- USB Interface
- LED Status Indication Lamp
- Ethernet Communications

**HAZARDOUS ENVIRONMENT**
- Designed to be Class 1 Div 2 Compliant
- IP 66 Compliant

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