

CAT[®] DATA LOGGING AND ALARM KIT

For Select Exhaust Aftertreatment Applications



Reduce Emissions. Stay Competitive.

The microprocessor-based Cat[®] Data Logging and Alarm (DLA) kit is designed to continuously monitor and record exhaust backpressure, temperature, and event codes.

The DLA kit supports multiple exhaust aftertreatment applications and is RICE NESHAP compliant.

- USB and Ethernet interface – easy to use
- Large data storage: 20,000 lines of data (up to 5,000 hours)
- No proprietary software required
- Pre-wired harness included for easy installation
- Integrated pressure sensors factory calibrated
- Compact design
- Single button alarm reset
- Water-resistant enclosure and connections (IP 54)
- Simple to install, configure, and operate



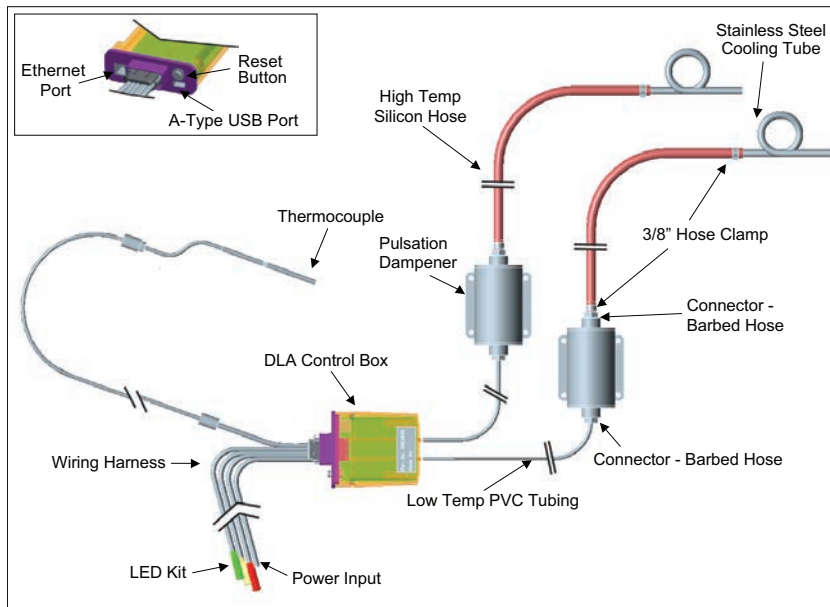
Cat[®] DLA kit control box



Cat DLA Kit Features and Benefits

Details:

- Contains interactive software with a simple Ethernet connection and 12VDC to 24VDC power
- Housed in a compact, water resistant polymer enclosure (5.4 x 4.6 x 1.25 inches)
- View a real-time display of exhaust temperature and backpressure
- Download to a laptop in the form of a csv file and can be opened with Microsoft Excel
- Stores the latest data and allows old data to be replaced when the unit is full
- Catalyst inlet temperature is displayed on a four-hour rolling average
- Laptop computer can be used to configure the sample rate from one minute to 15 minutes in whole minute intervals.



Standard Installation

- DLA control box
- One K-type thermocouple
- One 20-foot wiring harness (optional 50-foot available)
- One LED kit
- Two stainless steel pulsation dampeners
- Two stainless steel cooling tubes
- High temperature silicone hose
- Low temperature PVC tubing

How It Works

The DLA kit is a microprocessor-based data logger and alarm system designed to continuously record and monitor exhaust backpressure and temperature. Monitoring these engine exhaust parameters provides useful information about engine performance of an emissions aftertreatment device and is required in certain situations to comply with RICE NESHAP regulations.

Alarm Outputs

- **Output 1: Flashing GREEN light**
Data monitoring has not begun. Will not begin monitoring and acquiring data until the catalyst inlet temperature has exceeded the minimum set or default value for at least one minute.
- **Output 2: GREEN light**
Monitoring has begun and parameters are within limits.
- **Output 3: YELLOW light**
One or more parameters are outside limits.
- **Output 4: RED light**
The four-hour average of one or more parameters is outside the limit or a thermocouple problem has been detected.

Caterpillar and your dealer are ready to help you choose the right emissions solution for your equipment. For more information call your Cat dealer or visit www.cat.com/emissionsolutions

