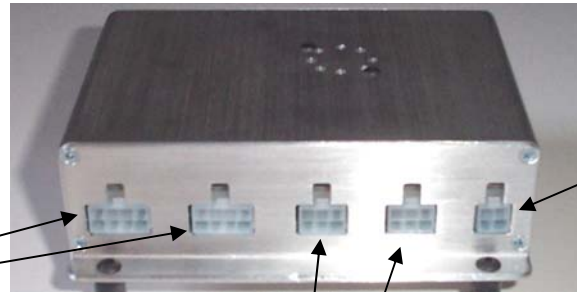


# DataMite USB Connections

## Analog Inputs

on 8 pin connectors. Right is analog channels 1, 2, 10, 11, 12 (10, 11, and 12 may not be available if you are using weather sensors).. Left is analog channels 5-9 (1, 2 or -3 of which may not be available if you are using internal pressure sensors). Analog channels are for measuring 0-5 volt signals, like position, travel, pressure, infra-red temperatures like tire temperatures, etc. Because internal sensors can be installed, you should be careful NOT to assume that you can use a breakout cable designed for left connector on the right connector and vice versa.



**RPM Inputs** on 6 pin connectors. Right is Engine RPM (channel1) and Left is RPM channels 2 and 3. Left will also provide access to Analog Channels 3 and 4 with proper breakout cable.



## Lighted Recording Switch:

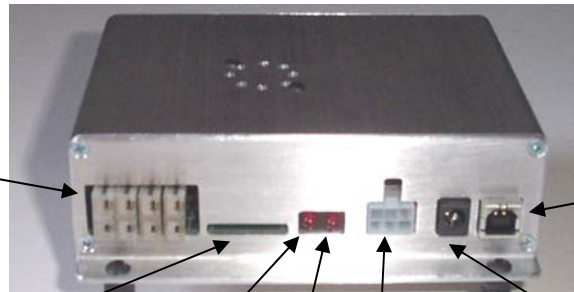
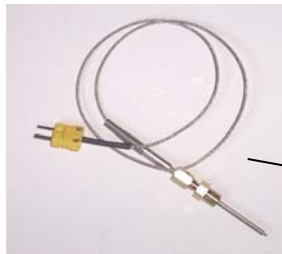
- Light Off, no power or no SD card installed.
- Light Flashing, standby mode, ready to record.
- Light On, box is recording data.

Install in dash with notch in threads down. Toggle Up position is Recording Position. In up position logger will start recording if box already is powered up (or start recording when power is supplied) and will keep recording until you flip switch down or memory segment is full. Box records to next available memory segment in SD card for each recording session.



## Thermocouple Channels.

Thermocouples are used to measure temperatures, like exhaust temperatures, fluid temps like oil and water, air temperatures, etc. They can measure from 0 to 2100 deg F.



## SD Memory Card:

Box records directly to SD card. There is no internal data memory. Box records to next available memory segment in SD card for each recording session. SD cards are formatted for 4, 8 or 16 segments. You can record all segments before you need to remove card to upload to PC. If you record 9 sessions on a card with only 8 segments, you will overwrite (lose) your first session with data from the 9th session. To upload in DataMite software, place card in drive, click on File, then "New, get data" to start a new test.



**Power ON Led**

**Recording LED**, lights each time a data sample is written to SD card which can be a steady blur.



**12 V DC vehicle power connector.** Connect to 12V DC supply in vehicle and to GOOD GROUND. You will probably want to install a switch in the red line



**USB connection** to initially config box (typically not needed) or to check real time readings for setting up sensors or troubleshooting.



**12 V DC wall transformer connector.** Typically used only for Dyno installations. USB connector power is enough for most situations.