



USER FRIENDLY FULL FEATURED, PROFESSIONAL DATA LOGGING SYSTEM

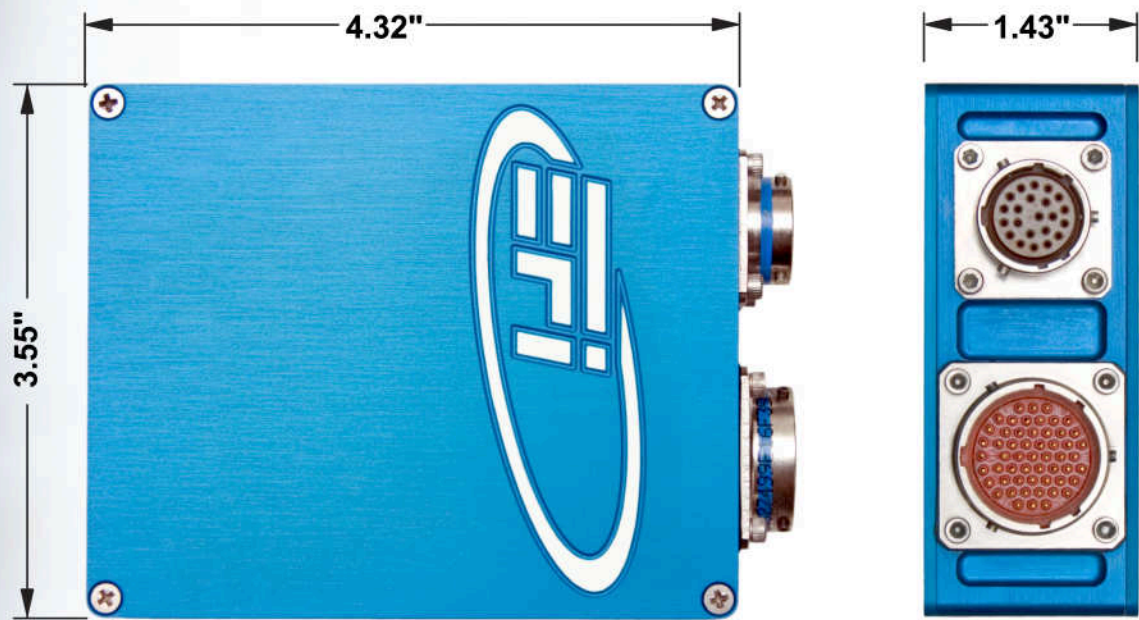
*Powerful data acquisition
in an affordable, small
and lightweight package*

LEVEL 1 & 2 DATA LOGGER UNIT

STANDARD FEATURES

- Direct data link to Steering wheel or LCD dash
 - maximum flexibility in driver instrumentation
- Large memory capacity
 - up to 16MB
- High speed logging rates
 - up to 1000 samples per second
- High resolution
 - 12 bit ADC for increased accuracy
- Full speed USB download
 - 4MB in under 10 seconds
- Powerful Windows based software
 - user-friendly, flexible, expandable
- Compact lightweight package
 - weights under 1.2lb
- Mil-spec connectors
 - ensures reliability and durability
- Data link to 3rd party ECU for engine data
 - saves duplication of sensors





LEVEL 1 & 2 DATA LOGGER *Technical Specifications*

SOFTWARE

- Time plots
- Distance Plots
- Track mapping
- Histograms
- X-Y plots
- Frequency plots
- Graphical reports
- Split reports
- Lap reports
- Math package
- Conversion utility for historical data

SPECIFICATIONS

- Analog inputs: 10(L1) 15(L2) STD, 47 Max
- Digital inputs: 4
- Internal channels: 3
 - Lateral acceleration
 - Battery voltage
 - Box temperature
- Beacon inputs: End of lap, Split times
- Logging memory: 2MB(L1),4MB(L2) STD, 16MB Max
- Logging rates: 1Hz to 1000Hz
- Resolution: 12 bit ADC
- Logging modes: Sequential & Cyclic
- Dash support: Current loop
- ECU data link: Current loop, RS232
- Junction boxes: 4 (L2)
- Telemetry output: Real-time, End of lap
- Download speed: Full speed USB, 12Mbit/second

SENSORS

All 0-5v output sensors are fully compatible with this system including tire pressure, laser ride height and torque. A full range of sensors to measure engine and chassis parameters are available. Ask for more details.

JUNCTION BOXES

Level 2 data loggers have inputs for up to 4 external 8 channel junction boxes. The junction boxes are configurable with 0-5v or amplified inputs. There are many options available for combinations of strain gauge, thermocouple and normal sensor inputs.

Strain gauge inputs are configurable for gains of: 100, 200, 500 and 1000 with offsets of 0.5v or 2.5v. Custom gains/offsets are available on request.

Thermocouple inputs can be set for 600 degC or 1200 degC.

OPERATIONAL

- | | |
|--------------------|-----------------------------------|
| Enclosure: | Billet 6061 Aluminum |
| Construction: | CMOS surface mount design |
| Environmental: | EMI O ring sealed |
| Connector: | Mil-spec 55 pin & 22 pin |
| Dimensions: | 3.55" x 4.32" x 1.43" |
| Weight: | 1.2 lbs |
| Power Supply: | 8 to 20 volts transient protected |
| Power Consumption: | 5 watts @ 14 volts |
| Operating Temp: | -40 to +85 deg C continuous |
| EMI Protection: | Exceeds 100 V/m >1GHz |

Specifications subject to change without prior notice