



Data Logger Model L452

Cat. #2153.51

Data Logger Model L452 (2-Channel, w/LCD, 100mV/1V/10V_{DC}, 4 to 20mA_{DC}, Event & Pulse, DataView® Software)

Two channel data logger for recording DC voltage, DC current, pulses and events. Connect to various sensors to measure pressure, temperature, flow, humidity and many other types of values. Also records events such as machine run time. Communicates via USB or Bluetooth for configuration and data transfer. Setup from a computer via free DataView software, or via the front-panel interface.

Cat.#2153.51

| | |
|-----------------------------------|---|
| Channels | Two with LCD display |
| Input | 4mm safety banana jacks |
| Ranges (4) | 100mV/1V/10V, 4 to 20mA, Event & Pulse |
| Accuracy | $\pm 100\text{mV}$, $\pm 1\text{V}$, $\pm 10\text{V}$: $\pm(0.5\% \text{ R} + 1\text{ct})$ |
| | 4 to 20mA $\pm(0.25\% \text{ R} + 5\text{ct})$ |
| Resolution | Pulse: 3.3V (with 1M Ω pull up resistor) |
| | Event: $\pm 10\text{V}$ |
| Input Impedance | V DC: 1M Ω , DC current: 100 Ω Event: 1M Ω , Pulse N/A |
| Sample Rate Max | V & Current DC: 5 samples/s, Event 16 samples/s, Pulse 100 samples/s |
| Storage Rate | Programmable from 200 ms to 60 minutes |
| Storage Modes | Start/Stop |
| Recording Length | 15 minutes to 6 weeks, programmable using DataView |
| Memory | 32MB recorded data is stored in non-volatile memory and will be retained even if battery is low or removed. |
| Communication | USB 2.0, Bluetooth 2.1 Class 1 (100m) |
| Power Source | 2x1.2V 400mAh NIMH |
| Charger (Supply) | Rechargeable by main 110 to 240V 50/60Hz or via USB cable |
| Battery Life (Display ON) | 18 days @ 200ms sampling rate, 27 days @ 60s |
| Battery Life (Display OFF) | 36 days @ 200ms sampling rate, 270 days @ 60s |
| Dimensions | 4.92 x 2.60 x 1.30" (125 x 66 x 33mm) |

For more details, download the datasheet or user manual at www.aemc.com

15 Faraday Drive • Dover, NH 03820 USA • (800) 343-1391 • (603) 749-6434 • www.aemc.com
customerservice@aemc.com • techsupport@aemc.com

| | |
|-------------------------|-----------------------------|
| Weight (with battery) | 7.4 oz (210g) |
| Case | Polycarbonate |
| Operating Temperature | 32° to 122°F (0° to 50°C) |
| Storage Temperature | -4° to 140°F (-20° to 65°C) |
| Relative Humidity | Up to 90% @ 104°F (40°C) |
| Ingress Protection (IP) | IP40 |
| EMC | EN 61326-1 |
| Safety Compliance | IEC 61010-1, EN 61010-2-30 |

CE

For more details, download the datasheet or user manual at www.aemc.com

15 Faraday Drive • Dover, NH 03820 USA • (800) 343-1391 • (603) 749-6434 • www.aemc.com
customerservice@aemc.com • techsupport@aemc.com

