

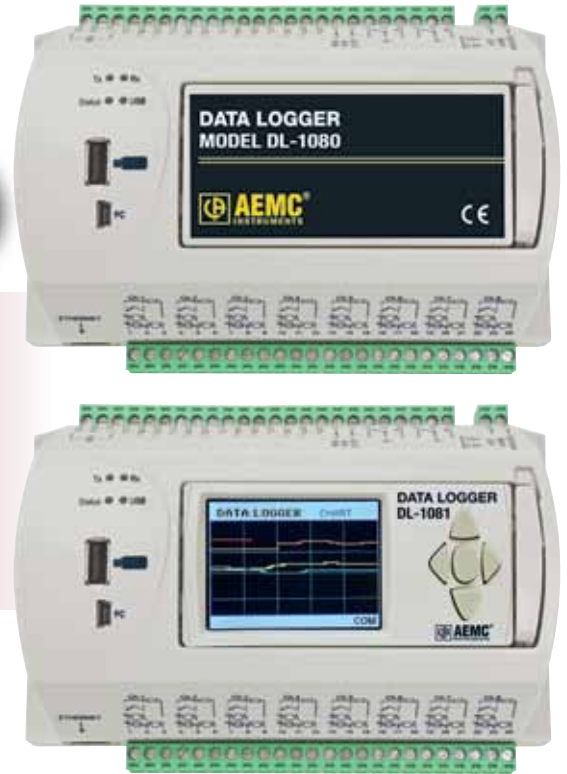
DATA LOGGERS

8-Channel Logger

Models DL-1080 & DL-1081

Versatile, powerful and cost effective data loggers handling analog, digital and other types of variables with high resolution and speed

NEW!



► SPECIFICATIONS

| MODELS | DL-1080 & DL-1081 |
|---|--|
| ELECTRICAL | |
| Internal Memory | 2MB |
| Power | 100 to 240Vac, 50/60Hz. 20VA (Max) |
| Analog Channels Input Impedance | Thermocouples / Pt100 / Pt1000 / mV: > 2MΩ mA: 15Ω + 1.5V V: 1.1MΩ |
| Accuracy | Thermocouples J, K, T, E and N: 0.2% of the span ± 1°C Thermocouples R, S and B: 0.2% of the span ± 3°C Pt100, Pt1000, 0 to 20mA, 4 to 20mA, 0 to 20mV, 0 to 50mV, 0 to 60mV, -20 to 20mV, 0 to 5V and 0 to 10V: 0.15% of the span |
| Excitation Current | Pt100s: 360µA; Pt1000s: 320µA |
| Maximum Pt100/Pt1000 Compensated Cable Resistance | 40Ω |
| Digital Inputs | Logic level "0": from 0 to 0.8Vdc Logic level "1": from 3 to 30Vdc |
| Maximum Input Voltage | 30Vdc |
| Input Current @ 30Vdc (typical) | 3mA |
| Digital Outputs | Maximum output voltage: 30Vdc Maximum output current: 200mA Maximum relay current: 3A @ 250Vac; 3A @ 30Vdc |
| Storage Rate | from 1ms to 24 hours |
| Maximum Channel Logged | 100 |
| Supported Modbus Commands | Read Coil Status (01h) Read Holding Registers (03h) Write Single Coil (05h) Write Single Register (06h) Write Multiple Registers (0Fh) |
| ENVIRONMENTAL | |
| Operating Temperature | 32° to 122°F (0 to 50°C) |
| Relative Humidity | 80% up to 85°F (30°C) For temperatures higher than 85°F (30°C), decrease 3% per °C |
| Altitude | < 2000m |
| Protection | IP20 |

Inputs rated CAT II



► FEATURES

- 8 universal analog input channels
- 8 digital I/Os (individually configured as inputs or outputs)
- 2 relay outputs (NO, NC and common)
- RS485 interface (Modbus master or slave)
- 24Vdc output to power up to eight 4 to 20mA transmitters
- Ethernet interface for LAN and internet use
- USB-device interface for configuring, monitoring and download
- USB-host interface for logged data retrieval through a USB flash drive
- Up to 32 configurable alarms
- Up to 128 virtual channels
- Detachable display (optional)
- Up to 100 channels can be logged at a configurable rate
- Data downloading through the configuration software or through the freely distributed download DLL
- 4 input channel types: analog, digital, remoted and virtual



