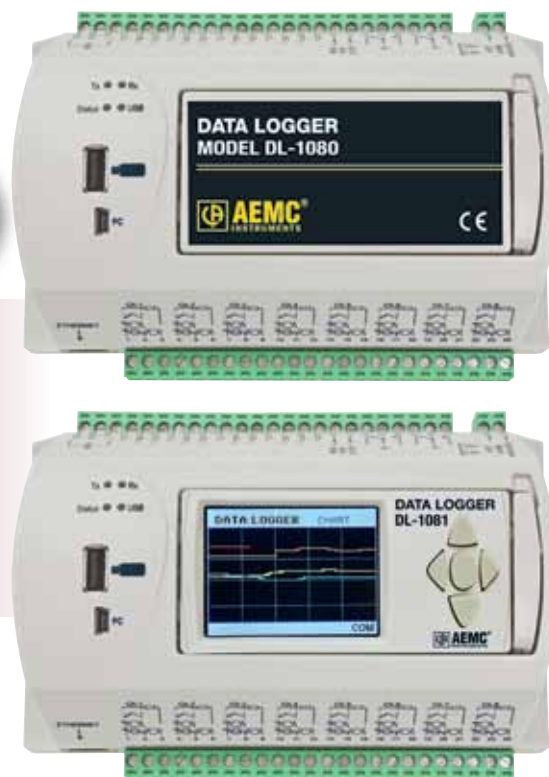


Models DL-1080 & DL-1081

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

NEW!

Inputs rated CAT II

**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: > 2M Ω mA: 15 Ω + 1.5V V: 1.1M Ω
Accuracy	Thermocouples J, K, T, E and N: 0.2% of the span \pm 1°C Thermocouples R, S and B: 0.2% of the span \pm 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: 360 μ A; Pt1000s: 320 μ A
Maximum Pt100/Pt1000 Compensated Cable Resistance	40 Ω
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 @ 250Vdc; 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

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

Model DL-1081

Color Functional Displays

"FAVORITES" Screen

Room Temp 84.22°F	Valve Pressure 428 PSI
In Flow Rate 45.3 GPM	Vat Temp 812°F
Line Pressure 253 PSI	Out Flow Rate 45.3 GMP

Shows a six-position grid where you can assign a channel to be displayed real-time in each position.

"CHART" Screen



Displays a plot of the favorite channels values.

"CHANNEL LIST" Screen

Temp1 : 0.2 Digital101
Temp2 : 0.2 Digital102
Temp3 : 0.2 Digital103
Temp4 : 0.2 Digital104

Shows a list of all enabled channels (analog, digital, remote and virtual).

"ALARMS" Screen

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32

A 32-position grid where each numbered position is related to its equivalent alarm or event. When an alarm is active, its number will be displayed in red on this screen.

"STATUS" Screen

FieldLogger	
Tag	Jiga de testes
Firmware Version	1.01
Serial Number	0291 1656
Ethernet	
Enable	Yes
Connected	No

Shows a list of information about the data logger and the display itself.

"CONFIGURATION" Screen

FieldLogger	
Date	16/11/2010
Time	12:01:18
Ethernet	
DHCP Enable	Yes
IP Address	000.000.000.000
Subnet Mask	000.000.000.000

Data logger and display parameters can be changed and viewed on this screen.



► PRODUCT INCLUDES

- **DL-1080 & DL-1081 software**
User manual and drivers also available on CD



CATALOG NO.

DESCRIPTION

2134.61	Data Logger Model DL-1080 (8-channel, no LCD)
2134.62	Data Logger Model DL-1081 (8-channel, LCD)



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