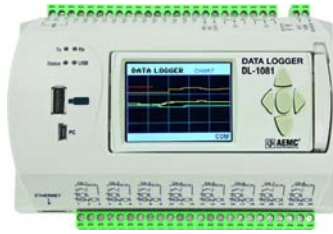


## AEMC Eight Channel Data Loggers

- 8 universal analog input channels
- 8 digital I/Os (individually configured as inputs or outputs)
- 2 relay outputs (NO, NC and common)
- 24Vdc output to power up to eight 4 to 20mA transmitters
- RS485 Modbus master or slave
- Ethernet LAN & internet interface
- 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 for computations
- Detachable color LCD display (DL-1081)
- Up to 100 channels can be logged at a configurable rate
- Data downloading through the configuration software or the free download DLL
- 4 input channel types: analog, digital, remoted and virtual
- 16GB SD card interface



**DL-1081**

Inputs rated CAT II



### ORDERING INFO

- AE/2134.62 DL-1081 8-channel Data Logger with detachable color LCD display  
 AE/2134.61 DL-1080 8-channel Data Logger (no display)

### SPECIFICATIONS

Input Type	Measuring Range	Accuracy
J	-184° to 1832°F (-120 to 1000°C)	± 0.2% (F.R.) ± 1°C
K	-202° to 2501.6°F (-130 to 1372°C)	± 0.2% (F.R.) ± 1°C
T	-202° to 752°F (-130 to 400°C)	± 0.2% (F.R.) ± 1°C
E	-202° to 1436°F (-130 to 780°C)	± 0.2% (F.R.) ± 1°C
N	-202° to 2372°F (-130 to 1300°C)	± 0.2% (F.R.) ± 1°C
R	68° to 3214.4°F (20 to 1768°C)	± 0.2% (F.R.) ± 1°C
S	68° to 3214.4°F (20 to 1768°C)	± 0.2% (F.R.) ± 3°C
B	212° to 3308°F (100 to 1820°C)	± 0.2% (F.R.) ± 3°C
Pt100	-328° to 1562°F (-200 to 850°C)	± 0.15% (F.R.)
Pt1000	-328° to 1562°F (-200 to 850°C)	± 0.15% (F.R.)
Linear	0 to 20mA, 4 to 20mA, 0 to 20mV, 0 to 50mV, 0 to 60mV, -20 to 20mV 0 to 5V, 0 to 10V *	± 0.15% (F.R.)
Digital Inputs	Logic "0": from 0 to 0.8Vdc, 2msec min. Logic "1": from 3 to 30Vdc, 2msec min.	
Excitation Current	Pt100: 360µA; ; Pt1000: 320µA	
Compensated Resistance	40Ω max for Pt100/Pt1000	
Input Impedance	Temperature & mV: >2MΩ, mA: 15Ω, V: 1.1MΩ	
Digital Outputs	30Vdc max., 200mA max.	
Relay Contacts	3A @ 250Vac; 3A @ 30Vdc max.	
Internal Memory	2MB non-volatile (500k measurements)	
Storage Rate	from 1ms to 24 hours	
Channels Logged	100 max.	
Power Supply	100 to 240Vac, 50/60Hz. 20VA (max)	
Operating Temperature	32-122°F (0-50°C), 80% RH to 85°F (30°C)	
Dimensions	163 x 117 x 76mm, DIN rail mount	

F.R. = Full Range; \* = Measurement span is user programmable

## AEMC Four Channel AC Current/Voltage Data Loggers

- TRMS **current** recording up to 1000A AC
- Storage rates from 8/second to 1/day
- Four user selectable storage modes
- Stores up to 1,000,000 measurements in non-volatile memory
- Six LED status indicators
- Wireless Bluetooth data communication
- 600V CAT IV; 1000V CAT III rating



- TRMS **voltage** recording to 600V AC/DC
- Storage rates from 8/second to 1/day
- Four user selectable storage modes
- Stores up to 1,000,000 measurements in non-volatile memory
- Six LED status indicators
- Wireless Bluetooth data communication
- 600V CAT IV; 1000V CAT III rating

### ML914 SPECIFICATIONS

Channels	Four current channels
Input Connection	6" captive AC MiniFlex flexible sensors
Conductor Size	1.77" (45mm) dia max.
Input Range	1-100A / 5-1000A
Accuracy	1-100A (50/60Hz): ±(1% of Reading + 0.5A) 5-1000A (50/60Hz): ±(1% of Reading + 1A)
Resolution	0.1A
Sample Rate	64 samples/cycle
Storage Rate	Programmable from 125ms to 1 per day
Storage Modes	Start/Stop, FIFO, Extended Recording Mode (XRM™)
Recording Length	15 minutes to 8 weeks, programmable using DataView®
Memory	1,000,000 measurement (2MB), non-volatile
Communication	Bluetooth (communicates up to 30 ft)
Battery Life	Up to 180 days (dependent on storage rate/recording length)
Protection	IP 50 with cover closed
Dimensions	5.904 x 5.904 x 3.568" (150 x 150 x 91mm)

### ORDERING INFORMATION

- AE/2126.40 Simple Logger® II Model ML914 (4 channel, TRMS AC Current, Bluetooth, with 4 miniflex probes, 4 C batteries & DataView software)

### L264 SPECIFICATIONS

Inputs	Four voltage channels
Input Connection	Five recessed 4mm banana jacks
Input Range	0 to 600Vac/dc
Accuracy	5 to 50V (50/60Hz): ±(0.5% of Reading + 1V) 50 to 600V (50/60Hz): ±(0.5% of Reading + 0.5V)
Input Impedance	16MΩ
Sample Rate	64 samples/cycle
Storage Rate	Programmable from 125ms to 1 per day
Storage Modes	Start/Stop, FIFO, Extended Recording Mode (XRM™) and Store on Alarm
Recording Length	15 minutes to 8 weeks, programmable using DataView®
Memory	1,000,000 measurements (2MB), non-volatile
Communication	Bluetooth (communicates up to 30 ft)
Battery Life	Up to 180 days (dependent on storage rate/recording length)
Protection	IP 50 with cover closed
Dimensions	5.904 x 5.904 x 3.568" (150 x 150 x 91mm)

### ORDERING INFORMATION

- AE/2126.23 Simple Logger® II Model L264 (4 channel, TRMS Voltage, Bluetooth, with 5ft test lead set, 4 C batteries & DataView software)

Simple Logger® II models include DataView software for real-time display, storage, analysis & reporting.