

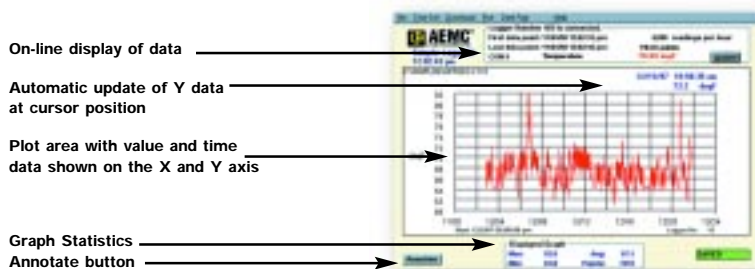
Data Logging Made Simple ...Simple Logger®



Simple Logger® is a single channel, low cost data logger that requires no user setup. It has the ability to automatically adjust both its scale range and its sample rate to optimize the recording session. Simple Logger® includes a Windows™ based software package that can plot, analyze recording data and print graphs and data listings.

The main advantage of Simple Logger® is its ability to perform a wide variety of recording tasks with high resolution and accuracy without the need for user setup. It achieves this by means of automatic scaling and Time Extension Recording™ (TXR™) along with a flexible input design.

Simply connect the logger to the signal to be recorded and press the button to begin recording. When the session is complete press the button to stop. It is that simple!



Click the annotate button to add a title and descriptive information to your graph. This information can be stored and printed with a graph.



Plot graphs and view statistics quickly and easily when you download data from Simple Logger® to your computer. Scale and time axis update automatically.

Click and drag your mouse to zoom up the desired area of the graph for better viewing the Min, Max and average statistics at the bottom of the graph update automatically with zoom window.

Click the annotate button to add a title and descriptive information to your graph. This information can be stored and printed with the graph.

- No user setup required — one button operation
- Log and measure Amps rms, Volts rms, Temperature, DC Volts, DC Amps
- Autosampling up to 4096/hr — provides for maximum information
- Stores over 8000 readings
- Auto-scaling — provides for optimum resolution for the recording session
- Innovative Time Extensive Recording™ (TXR™) technique provides continuous recording for any length of time without user setup
- Low power — records for up to one year using a 9V Alkaline battery

Software Features

- Windows™ based graphing and analysis software included with each data logger
- Statistics appear on screen: Max, Min, Avg, Data and Time
- On-Line display of data logger values
- Zoom capability with automatic statistics update
- Export data to spreadsheet and database applications
- Print both graph and tabular listings
- Paste graphs into other applications
- Programmable scale and units for all DC loggers
Automatic selection for AC loggers

Common Features

Sample rate: 4096/hr maximum

Resolution: 8 to 12 bit

Data storage: 8192 to 65,536 Readings
(depending on model)

Power: 9V Alkaline battery

Output: RS-232 via DB9 connector

Indicator: Red LED flashes once every 2 seconds in STANDBY mode, twice every 2 seconds in LOGGING mode, and is off in OFF mode

Controls: One membrane switch used to start and stop recording sessions and to turn the data logger on and off

Environmental

Operating Temperature: -4 to +158°F (-20 to +70°C)

Storage Temperature: -40 to +176°F (-40 to +80°C)

Relative Humidity: 5 to 95% non-condensing

- Typical Applications:**
- Machine load monitoring
 - Metering CT re-sizing
 - Temperature monitoring
 - HVAC troubleshooting
 - Computer room monitoring
 - Food storage/Refrigerated freight
 - Wave soldering
 - Process control monitoring
 - Railroad signal monitoring
 - Surge/sag monitoring
 - Line voltage/Stray voltage monitoring
 - Load profiling



Technical Assistance (877) 766-5412

www.PQMeterStore.com

Thermocouple Logger Models L610, 620 & 630



Model L620

Model L610 (Type J)
32 to 1382°F (0 to 750°C)
Model L620 (Type K)
-328 to 2282°F
(-200 to +1250°C)
Model L630 (Type T)
-328 to 662°F (-200 to +350°C)

- Inputs via color coded miniature thermocouple jacks
- Open thermocouple
- RS-232 output
- One button operation
- Internal cold junction compensation
- Accuracy: 0.5% of Reading + T/C Accuracy

Applications:

- Process control monitoring
- Refrigeration monitoring
- Wave soldering

Thermistor Logger Model L605



Model L605

Model L605
Internal or External Thermistor
Internal
-4 to +158°F (-20 to 70°C)
Internal/External
-4 to +212°F (-20 to 100°C)

- Thermistor type 10kΩ @ 25°C
- Accuracy: 1% of Reading ± 0.25°C

Applications:

- Ambient temperature monitoring
- HVAC troubleshooting
- Computer room monitoring
- Wave soldering temperature profiling
- Process control monitoring
- Refrigeration monitoring

4-20mA Logger Model L320



Model L320

Model L320
0 to 25mA_{DC}

- Auto Ranging
- Programmable scales
- Programmable units
- RS-232 output
- Simple one button operation
- Standard terminal strip input
- Self adjusting sample rate
- Compact size fits anywhere
- Low loop impedance
- Accuracy: 1% of Reading + Resolution

Applications:

- Process control monitoring troubleshooting
- General purpose DC current monitoring
- Profile temperature, pressure, flow and other parameters directly

DC Voltage Logger Models L410 & 430



Model L410

Model L410
0 to 100mV_{DC}
Model L430
0 to 10V_{DC}

- Input Impedance: 1MΩ
- Programmable scales
- Programmable units
- Input via color coded safety banana jacks
- RS-232 output
- One button operation
- Accuracy: 1% of Reading + Resolution

Applications:

- Circuit design troubleshooting
- Sensor monitoring
- Battery testing
- Power supply profiling

| CATALOG NO. | DESCRIPTION | PRICE |
|-------------|---|----------|
| 2113.97 | Simple Logger® Model L320 (DC Current, 4 to 20mA _{DC} Input) | \$199.00 |
| 2114.05 | Simple Logger® Model L410 (DC Voltage, 0 to 100mV _{DC} Input) | \$199.00 |
| 2114.07 | Simple Logger® Model L430 (DC Voltage, 0 to 10V _{DC} Input) | \$199.00 |
| 2114.17 | Simple Logger® Model L605 (Temperature, Temperature-Internal/External Thermistor) | \$199.00 |
| 2116.15 | Simple Logger® Model L610 (Temperature, J Thermocouple) | \$199.00 |
| 2116.16 | Simple Logger® Model L620 (Temperature, K Thermocouple) | \$199.00 |
| 2116.17 | Simple Logger® Model L630 (Temperature, T Thermocouple) | \$199.00 |

AC Current Logger Models L100 & 110



Model L100

Applications:

- Machine load monitoring
- Metering CT re-sizing
- Load profiling
- Fault finding

Model L100

0 to 1Vrms input
0 to 10,000Arms based on probe

Model L110

0 to 1Arms input
0 to 3,000Arms based on probe

- Supports wide range of current probes with voltage or current outputs
- True RMS measurements
- Input via color coded safety banana jacks
- Select scale via software to match probe
- Wide variety of optional current probes available
- Accuracy: 1% of Reading + Resolution

AC Voltage Logger Models L205,230 & 260



Model L230

Applications:

- HVAC troubleshooting
- Line voltage monitoring
- Surge/sag monitoring
- Stray voltage monitoring
- Dropout monitoring

Model L205

0 to 25Vrms input (stray voltage)

Model L230

0 to 300Vrms input

Model L260

0 to 600Vrms input

- True RMS measurements
- Input via color coded safety banana jacks
- Scale automatically selected by software
- Accuracy: 1% of Reading + Resolution

AC Exception Voltage Logger Model L215

NEW!



Model L215

Applications:

- Surge/sag monitoring
- Computer room monitoring
- Residential monitoring
- Machine monitoring
- Marine power monitoring

Model L215

0 to 250Vrms

- 10 samples per second
- Stores data when alarm level is tripped
- True RMS measurements
- 64K storage memory
- 10 bit resolution (250mV)
- Detect sags and swells
- Scale automatically selected by software
- Software programmable HI and LO alarm levels
- Alarm trip LED indicator

Plug-In AC Voltage Logger Model L220



Model L220

Applications:

- Loose neutral detection
- Surge/sag monitoring
- Residential monitoring

Model L220

0 to 255VAC

- Plugs directly into 120V wall outlet
- Records line to neutral or neutral to ground voltage — switch selectable
- Scale automatically selected by software
- Self contained, no exposed connections
- RS-232 output



| CATALOG NO. | DESCRIPTION | PRICE |
|-------------|--|----------|
| 2113.50 | Simple Logger® Model L100 (RMS Current, 0 to 1VAC Input) | \$269.00 |
| 2113.85 | Simple Logger® Model L110 (RMS Current, 0 to 1AAC Input) | \$269.00 |
| 2113.93 | Simple Logger® Model L230 (RMS Voltage w/Leads, 0 to 300VAC Input) | \$289.00 |
| 2113.94 | Simple Logger® Model L260 (RMS Voltage w/Leads, 0 to 600VAC Input) | \$289.00 |
| 2113.95 | Simple Logger® Model L220 (RMS Voltage, US 3 prong wall plug in 0 to 255VAC Input) | \$289.00 |
| 2116.07 | Simple Logger® Model L215 (RMS Voltage, 0 to 250VAC Input) | \$349.00 |
| 2116.05 | Simple Logger® Model L205 (Stray Voltage w/Leads, 0 to 25.5VAC Input) | \$289.00 |

Clamp-On AC Logger Model CL600



Model CL600

| SPECIFICATIONS | |
|---------------------|---|
| MODEL | CL600 |
| ELECTRICAL | |
| Number of Channels: | 1 |
| Measurement Range: | 0 to 600Arms |
| Input Connections: | Split Jaw |
| Resolution: | 8 bit (0.5A) |
| Accuracy: | 2% of Reading + Resolution (0 to 400A) 5% of Reading + Resolution (400 to 600A) |
| Battery Life: | Up to 1 yr recording @ 25°C |
| Controls: | One button used to start and stop recording sessions and to turn the data logger on and off |
| MECHANICAL | |
| Size: | 5.47 x 2.00 x 1.8" (139 x 51 x 30mm) |
| Weight: | 17.1 oz (484.79g) |
| Max Conductor Size: | 2 conductors: 1" (25.4mm) each 1 conductor: 1.65" (42mm) |
| Jaw Opening: | 1.65" (42mm max) |

Features:

- 0 to 600Arms input
- True RMS measurements
- Self contained, no exposed connections
- Overload indication
- RS-232 output

Applications:

- Machine load monitoring
- HVAC troubleshooting
- Load profiling
- Electrical troubleshooting

| CATALOG NO. | DESCRIPTION | PRICE |
|-------------|--|----------|
| 2116.11 | Simple Logger® Model CL600 (Clamp-On, RMS Current, 0 to 600Arms Input) | \$369.00 |

Flexible Current Probe Logger Models AL24-2500 & AL36-2500 AL24-5000 & AL36-5000



Features:

- True RMS recording
- Self contained, no exposed connections
- Weatherproof NEMA 4X, IP65 rated
- Flexible sensor — fits anywhere
- Scale automatically selected in software

Applications:

- Load profiling
- Machine load monitoring
- Substation monitoring

| SPECIFICATIONS | | | | |
|--|---|-------------|--|-------------|
| MODELS | AL24-2500 | AL36-2500 | AL24-5000 | AL36-5000 |
| ELECTRICAL | | | | |
| Number of Channels: | 1 | | | |
| Input: (switchable) | 5 to 250 or 2500Arms | | 5 to 500 or 5000Arms | |
| Input Sensor (flexible current sensor): | 24" (610mm) | 36" (910mm) | 24" (610mm) | 36" (910mm) |
| Resolution: | 250A range: 1A max 2500A range: 10A max | | 500A range: 2A max 5000A range: 20A max | |
| Accuracy: | 1% of Reading + Resolution | | | |
| Battery Life: | Up to 6 months recording @ 25°C | | | |
| Working Voltage: | 600VAC | | | |
| MECHANICAL | | | | |
| Size: | Sensor: Diameter 0.5" (12.5mm) Logging Module: 1-9/16 x 2-1/2 x 4-1/2" (41 x 64 x 114mm) | | | |
| Weight: | 15.5 oz (with battery) (439.3g) | | | |
| Max Conductor Size:* (Diameter conductor): | 8" (190mm) | 12" (290mm) | 8" (190mm) | 12" (290mm) |

*Dimensions rounded off



Model AL24-2500

| CATALOG NO. | DESCRIPTION | PRICE |
|-------------|---|----------|
| 2113.72 | Simple Logger® Model AL24-2500 (RMS Current, 250/2500A, 24" AmpFlex™) | \$499.00 |
| 2113.73 | Simple Logger® Model AL36-2500 (RMS Current, 250/2500A, 36" AmpFlex™) | \$599.00 |
| 2113.74 | Simple Logger® Model AL24-5000 (RMS Current, 500/5000A, 24" AmpFlex™) | \$659.00 |
| 2113.75 | Simple Logger® Model AL36-5000 (RMS Current, 500/5000A, 36" AmpFlex™) | \$759.00 |