

Thermistor Temperature Simple Logger® Model L605



Specifications

ELECTRICAL

Number of Channels: 1

Measurement Range:

Temperature °F & °C

Input Connection:

In-line Connector

Resolution: 8 Bit (see chart on page 19)

Accuracy*: $\pm 1\%$ of Reading $\pm 0.25^\circ\text{C}$
(see inside back cover for details)

Sample Rate: 4096/hr max, decreases
by 50% each time memory is full

Storage Technique:

Time Extension Recording™ (TXR™)

Data Storage: 8192 readings

Power: 9V Alkaline battery

Battery Life:

Up to 1 yr of recording @ 25°C

Output: RS-232 via DB-9 connector

Indicators: Red LED double flashes in
LOGGING, single flashes in STANDBY,
and is off in OFF mode

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

MECHANICAL

Size: $2\frac{7}{8} \times 2\frac{5}{16} \times 1\frac{5}{8}$ "
(73 x 59 x 41mm)

Weight: (with battery) 5 oz (140g)

Mounting:

Base plate mounting holes or
Velcro® pads

ENVIRONMENTAL

Operating Temperature:

-4 to $+158^\circ\text{F}$ (-20 to $+70^\circ\text{C}$)

Storage Temperature:

-4 to $+174^\circ\text{F}$ (-20 to $+80^\circ\text{C}$)

Relative Humidity:

5 to 95% non-condensing

Safety: EN 61010, 30V, Cat. III



Features

- Internal or External Thermistor
- Thermistor type $10\text{K}\Omega$ @ 25°C
- Measurement Range:
(Internal)
-4 to $+158^\circ\text{F}$ (-20 to $+70^\circ\text{C}$)
(External)
-4 to $+212^\circ\text{F}$ (-20 to $+100^\circ\text{C}$)

Applications

- Ambient temperature monitoring
- HVAC troubleshooting
- Computer room monitoring
- Food storage
- Wave soldering temperature profiling
- Process control monitoring
- Refrigerated freight

ORDERING INFORMATION

CATALOG NO.

Simple Logger® Model L605, Temperature (Temperature – Internal/External Thermistor) Cat. #2114.17
(Optional thermistor temperature probes listed below)

Includes supplied with software (CD-ROM), 6 ft DB-9 RS-232 serial cable, 9V Alkaline battery and user manual

Accessories

Thermistor Probe with Epoxy bead, 6 ft Cat. #2114.19

Thermistor Probe with 4" Stainless Steel Sheath, 6 ft Cat. #2114.20



Simple Logger® Software

Features

- Very easy to setup and use — no programming required
- Statistics appear on screen: Max, Min, Avg, Date and Time
- On-Line display of data logger values
- Zoom capability with automatic statistics update
- User keyed text annotations
- Automatically displays values at the cursor position
- Export data to spreadsheet and database software
- Print both graphs and tabular listings
- Paste graphs into other applications
- Programmable scale and units for all DC loggers. Automatic selection for AC loggers
- User programmable High and Low limits (Model L215)
- User programmable record modes – inside or outside of limits (Model L215)
- Automatic baud rate selection (version 6.0 or later)

Computer Requirements

- 486 or higher
- 8MB of RAM
- Windows®95/98/2000/ME/XP or Windows®NT
- 1 serial port not in use by any other device
- 8MB hard drive space for program and 400kB max per file stored

Plot graphs and view statistics quickly and easily when you download

data from Simple Logger® to your computer. Scale and time axis

update automatically.

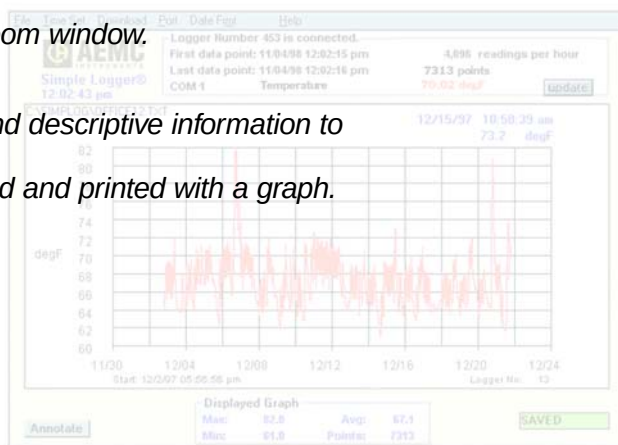
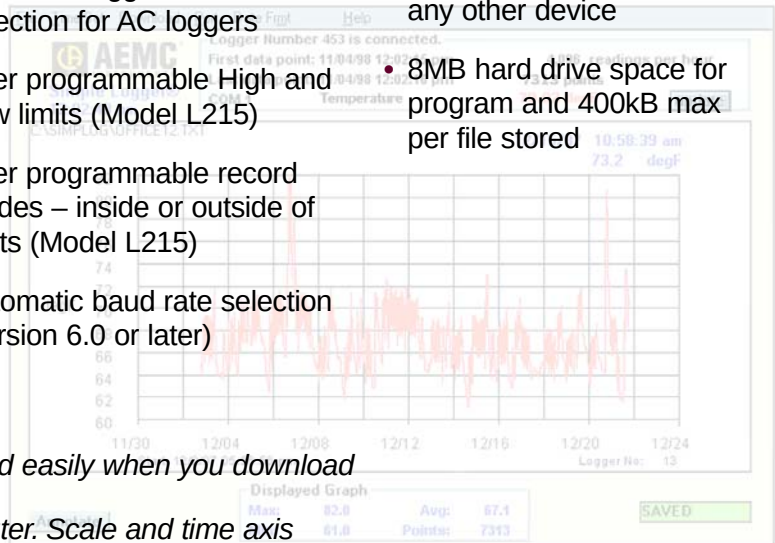
Click and drag your mouse to zoom up the desired area of the graph

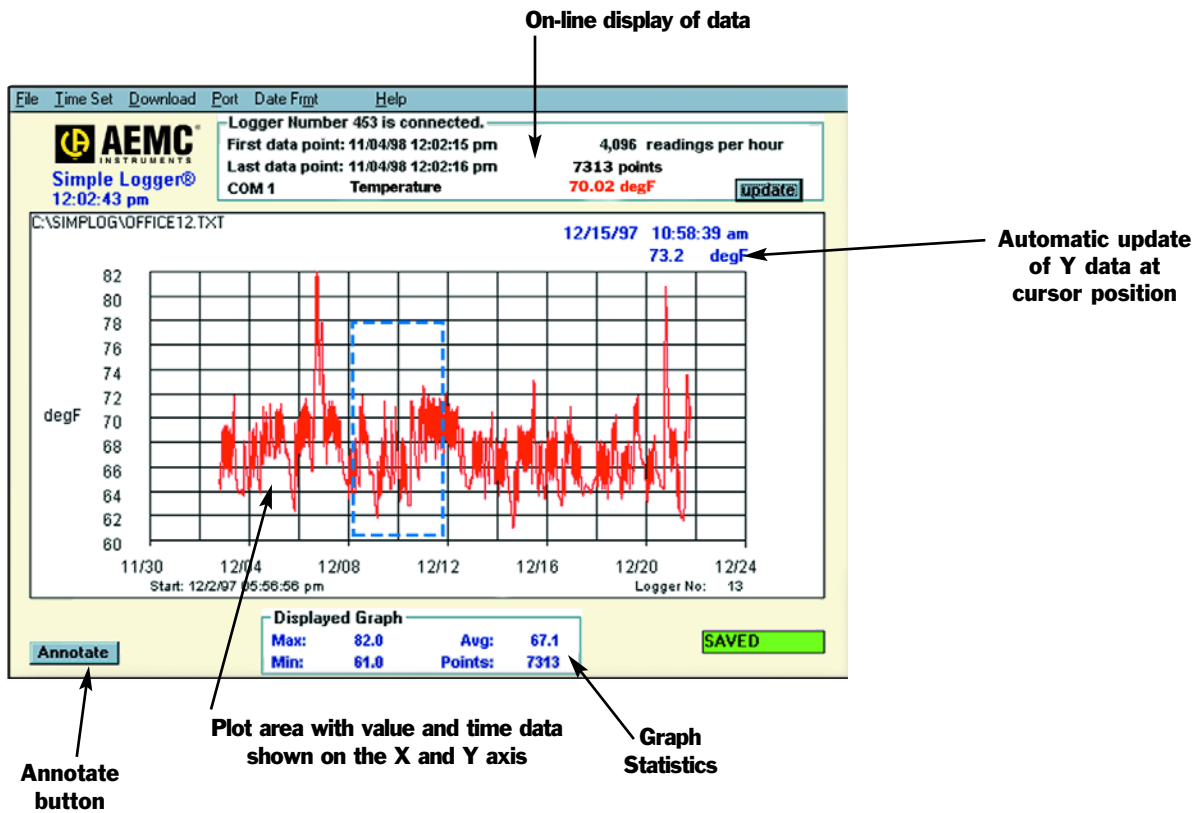
for better viewing. The Min, Max and Average statistics at the bottom

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 a graph.

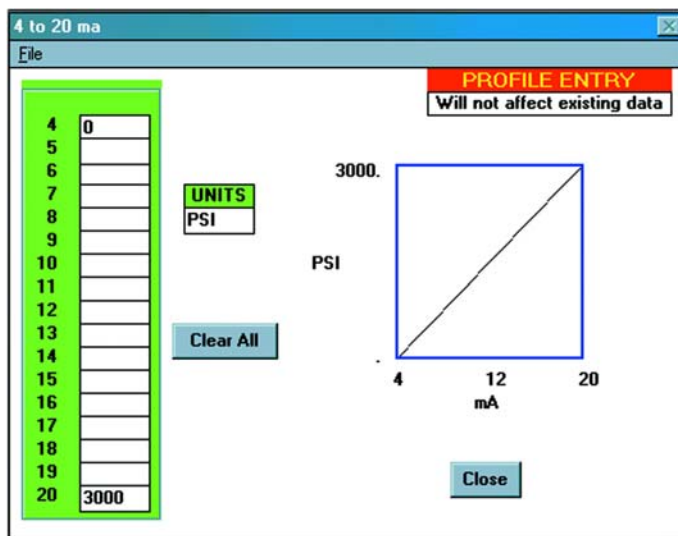




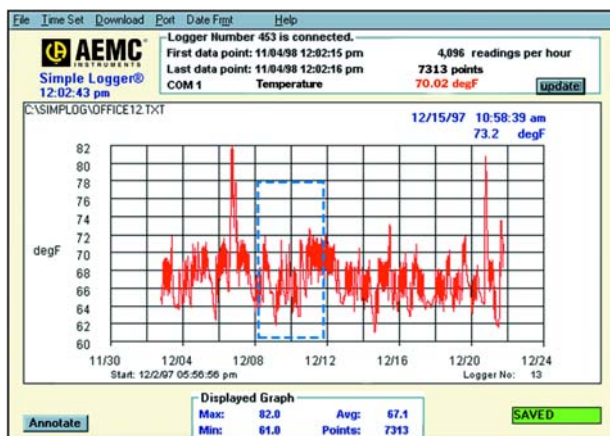
The screenshot shows the "Graph Description" dialog box, which is used to add metadata to the graph. The dialog box has a "Graph Title" field with the text "Room Temperature". Below this is a "Graph Description:" section with the text "Information which will be stored with the graph file". There are two columns of input fields: "Tag:" and "Location:". The "Location:" field contains the text "Office # 24". There are "OK" and "Cancel" buttons at the bottom of the dialog box. To the right of the dialog box, a zoomed-in view of the graph is shown, displaying temperature data over time from 12/08 to 12/12. The Y-axis ranges from 60 to 68 degF. Below the graph, a "Displayed Graph" box shows statistics: "Max: 82.0", "Avg: 67.3", "Min: 61.0", and "Points: 7313". There are "Unzoom" and "Annotate" buttons at the bottom left of the graph area.

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

Simple Logger® Software



Click the scale button in the file menu to create custom scales and engineering units for DC voltage (Models L410 & L430) and DC current loggers (Model L320).



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 when the graph is zoomed.

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