

## HOBO Plug Load Logger Data Logger - UX120-018



**Measures:**

AC Current, AC Voltage, Amps (A), Kilowatt Hours (kWh), Power Factor (PF), Volt-Amps (VA), Volts (V), Watt Hours (Wh), Watts (W)

**Features:**

- 0.5% measurement accuracy enables more reliable plug load energy data
- "Meter Mode" provides instant viewing of real-time plug load variables
- Large memory enables faster logging intervals for more comprehensive plug load profiles
- Battery back-up ensures logged data remains intact in the event of a power outage or load failure
- Full-featured LCD display provides visual diagnostics for easy deployment
- Compatible with HOBOWare and HOBOWare Pro software for logger setup, graphing and analysis

Qty	1-9	10-99	100+
\$US	\$239	\$222	\$203

**Contact Onset at 1-800-564-4377**

**Description:**

Onset's HOBOWare Plug Load Logger is a high-accuracy, easy-to-deploy data logger that measures and records the power and energy consumption of 120V plug loads from office equipment, vending machines, and other devices.


**Accurate and Rugged**

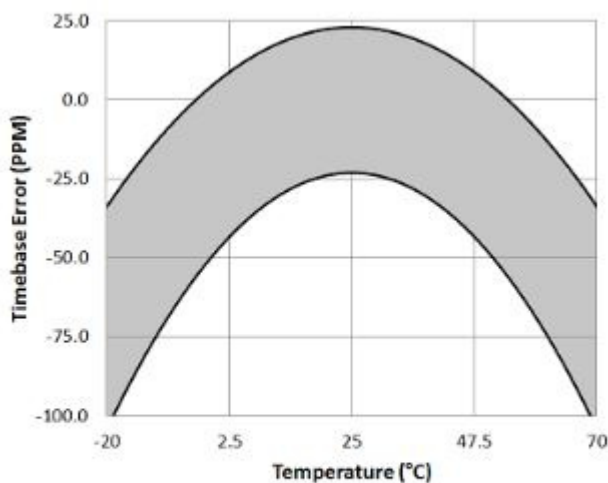
The UL certified logger provides 0.5% measurement accuracy with a measurement resolution of 1 watt, making it an ideal choice for building audits where detailed energy use data is required. The rugged housing is designed to withstand the rigors of real-world handling, providing reliable performance despite bumps, drops, and use under desks.

**Key Advantages**

**Detailed Specifications:**

<b>RMS Voltage Accuracy</b>	0.5% up to 14 Amp continuous; up to 1.0% over 14 Amp when equipment being monitored is at 100% duty cycle
<b>RMS Current Accuracy</b>	0.5% up to 14 Amp continuous; up to 1.0% over 14 Amp when equipment being monitored is at 100% duty cycle
<b>Active Power Accuracy</b>	0.5% up to 14 Amp continuous; up to 1.0% over 14 Amp when equipment being monitored is at 100% duty cycle
<b>Active Energy Accuracy</b>	0.5% up to 14 Amp continuous; up to 1.0% over 14 Amp when equipment being monitored is at 100% duty cycle
<b>Power Factor Accuracy</b>	±0.02
<b>Drift</b>	Up to 0.5% typical within 1 year
<b>Resolution</b>	1 Watt Load at 120 V AC 15 Amp
<b>Operating Environment</b>	Logging: 5°C to 40°C (41°F to 104°F); 0 to 95% RH (non-condensing), up to 2,000 m (6,562 ft) altitude
<b>Operating Modes</b>	Meter or logging when launched with HOBOWare
<b>Logging Rate</b>	1 second to 18 hours, 12 minutes, 15 seconds
<b>Statistics Sampling Rate</b>	60 Hz or 16.67 mS single-cycle

<b>Memory Modes</b>	Wrap when full or stop when full
<b>Start Modes</b>	Immediate, push button, date & time, or next interval
<b>Stop Modes</b>	When memory full, push button, or date & time
<b>Restart Mode</b>	Push button
<b>Time Accuracy</b>	$\hat{A}\pm 1$ minute per month at 25 $\hat{A}$ °C (77 $\hat{A}$ °F), see Plot A
<b>Power Source</b>	Line-powered with 0.92 m (3 ft) AC power cord or two AAA 1.5 V alkaline batteries, user replaceable
<b>Battery Life</b>	2 years with line power; 6 months battery only (no line power) with logging rate of 1 minute or greater operating at 25 $\hat{A}$ °C (77 $\hat{A}$ °F)
<b>Memory</b>	4 MB (1.4 million measurements, maximum)
<b>Download Type</b>	USB 2.0 interface
<b>Full Memory Download Time</b>	Approximately 1.5 minutes
<b>LCD</b>	LCD is visible from 0 $\hat{A}$ ° to 50 $\hat{A}$ °C (32 $\hat{A}$ ° to 122 $\hat{A}$ °F); the LCD may react slowly or go blank in temperatures outside this range
<b>Size</b>	13.97 x 7.62 x 4.75 cm (5.5 x 3 x 1.87 in.)
<b>Weight</b>	230.8 g (8.14 oz)
<b>Ratings</b>	IP50;  UL Listed; UL Listed to Canadian safety standards
<b>Calibration</b>	This device has been calibrated using equipment that has been tested in accordance with ANSI C12.20 0.5%. To maintain maximum accuracy, recalibration should be performed after 1 year of use to remove the accumulated drift, which could be as much as 0.5%. After initial 1-year calibration, calibration should be performed every 3 years. Contact Onset Technical Support at <a href="mailto:loggerhelp@onsetcomp.com">loggerhelp@onsetcomp.com</a> when recalibration is required.



**Plot A: Time Accuracy**

**HOB0**<sup>®</sup> Data Loggers

**1-800-LOGGERS**