

Compact Power Adapter Enables Data Loggers to Measure and Record Kilowatts, DC Current, and More

Onset has broadened its offerings for energy and environmental monitoring by expanding the range of measurement options for its line of HOBO U12 data loggers.

Specifically, multi-channel versions of HOBO U12 data loggers can now measure and record kilowatts, air velocity, gauge pressure, differential pressure, DC current and other energy and environmental parameters.

The expanded measurements are possible through the introduction of a new, compact power adapter. The adapter enables energy and building management professionals to conveniently power external sensors that require 12V A/C excitation power. This augments the company's existing line of measurement options, which includes air temperature, relative humidity, light intensity, AC current, and AC voltage. The adapter can also power any user-supplied external sensor that requires up to 400 mA at 12 VDC.

HOBO U12 data loggers are small, durable devices designed for high-accuracy indoor environmental and energy monitoring. They can record data unattended for days, weeks, or months at a time storing up to 43,000 measurements. Using a USB connection, HOBO U12 data loggers offer convenient, high-speed data offload directly to a computer or to a HOBO U-Shuttle data transport device.

For plotting and analyzing data gathered by the HOBO U12 data loggers, Onset offers HOBOWare® software, an intuitive graphing and analysis software package for Windows and Macintosh. HOBOWare provides a user-friendly interface for graphing, analyzing, and printing data files as well as exporting data to Microsoft Excel and other spreadsheet programs.

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