



HOBO Energy Logger Pro H22-001

15.4 x 9.4 x 5.1 cm
(6.06 x 3.69 x 2.00 in)
418.7 g (14.77 oz)

- Temperature
- Relative Humidity (RH)
- AC Current (True RMS)
- AC Voltage (True RMS)
- DC Current
- kW
- kWh
- Gauge Pressure
- Differential Air Pressure
- CO₂
- Pulse inputs from electric, or flow meters
- Other third-party sensors via 4-20mA/0-20 VDC

Memory: Up to 512,000 measurements, number varies based on sensor selection
 Sample rate: 1 second to 18 hours, user-selectable
 Battery life: 1-year typical, based on 75mA sensor excitation, 1 second-warmup time, and 10-minute logging interval—user-replaceable, AC adapter (optional)

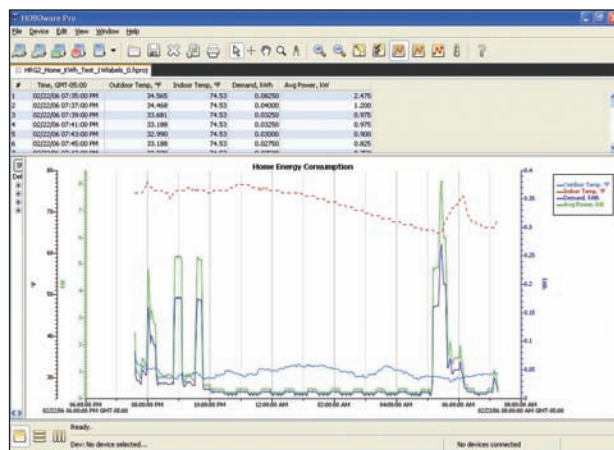
Ideal for Building Commissioning
 LEED Projects
 Compressed Air Auditing
 Energy Management & Facilities Management
 HVAC/R Diagnostics
 IAQ Projects
 Chiller Optimization
 M&V Projects
 Performance Verification
 Renewable Energy Installations

See page 49 for external sensors and attachment accessories.
 See onsetcomp.com for application and specific system diagrams.

The HOBO Energy Logger Pro is a modular, re-configurable data logging system for energy and environmental monitoring applications.

Key Advantages:

- Onset's most flexible logger records up to 15 channels
- The HOBO Energy Logger Pro accepts up to three two-channel modules and six plug-and-play Smart Sensors (some sensors measure more than one parameter)
- Provides 12v excitation for third-party sensors
- Pre-configured Smart Sensors for fast setup
- Signal conditioning modules retain configurations until you change them, providing plug-and-play convenience for commonly used sensors
- Flexible power options include battery operation or AC power adapter



HOBOWare Pro Software provides easy logger launch, data readout, and plotting.



HOBO Energy Logger Pro Ordering Guide

HOBO Energy Logger Pro		H22-001	Differential Air Pressure Transducer	
FlexSmart™ TRMS Module		S-FS-TRMSA	.01-10.0 WC	T-VER-PXU-L
FlexSmart™ Analog Module		S-FS-CVIA	.01-10.0 WC	T-VER-PXU-X
			Vaisala Duct-Mount RH/Temp	T-VAI-HMD-40Y
Pulse Input Adapter		S-UCC-M006	Telaire CO ₂ /Temp	TEL-7001
			Cable to Module	CABLE-2070
Sensors				
<i>Smart Sensors (plug-and-play, no module required).</i>				
12-bit Temperature				
2-m cable		S-TMB-M002	DC Current	
6-m cable		S-TMB-M006	0-200 Amp	T-VER-H970-200
17-m cable		S-TMB-M017	-200 to 200 Amp	T-VER-971BP-200
12-bit Temp/RH				
2-m cable		S-THB-M002	Air Velocity Sensor	
8-m cable		S-THB-M008	0.15-10 m/s	T-DCI-F900-L-P
			0.15-5 m/s	T-DCI-F900-L-O
			0.15-10 m/s	T-DCI-F900-S-P
			0.15-5 m/s	T-DCI-F900-S-O
WattNode kWh				
<i>Pulse Input Adapter required.</i>				
Wye config 208/240		T-WNB-3Y-208	Compressed Air Flow Meter	
Wye 208/240 opt		T-WNB-3Y-208-P	1-80 SCFM**	T-CDI-5200-10S
Delta/Wye config 208/240		T-WNB-3D-240	3-350 SCFM**	T-CDI-5400-20S
Delta/Wye config 480		T-WNB-3D-480	Volatile Organic Compound (VOC)	
"B" Series Voltage Lead Set		A-WNB-LEADSET	0-10, 0-100, 0-1000 ppm	T-ION-TVOC
Solar & Wind				
			Silicon Pyranometer	S-LIB-M003
			(solar radiation)	
			Wind Speed Sensor	S-WSA-M003
			Wind Speed &	
			Direction Sensor	S-WCA-M003
Adapters for R.M. Young Wind Monitoring				
			Wind Monitor AQ	S-WCB-M003
			Marine Wind Monitor	S-WCC-M003
			Wind Sentry	S-WCD-M003
			Wind Alpine	S-WCE-M003
Accessories				
			Mounting Feet Kit	A-H22-MOUNT-1
			DIN Mount Kit	A-H22-DINMOUNT-1
			AC power adapter	P-AC-1
			Smart Sensor Extension Cables	
			(total cable length of all sensor cables is 100 m (300 ft).)	
			2-m length	S-EXT-M002
			5-m length	S-EXT-M005
			10-m length	S-EXT-M010
			25-m length	S-EXT-M025
			1-to-2 Sensor Adapter***	S-ADAPT-5
Software				
			HOBOWare Pro Software	
			(Windows/Mac)	BHW-PRO-CD
			Serial Interface Cable	
			(Required)	CABLE-PC-3.5
			USB Interface Cable	ADAPT-SER-USB
Optional Communications				
			HOBO U-Shuttle*	U-DT-2
			Serial to Ethernet Server	SERVER-DS203

*Requires HOBOware Pro software, see page 52 for details.

**Can also be configured for pulse output

*** When used with Smart Sensor Extension Cables, this allows a single smart sensor input to branch to two Smart Sensors.

Complete system requires logger, sensor and software.

HOBOware Software is available for download via the web. Visit onsetcomp.com for details.