onset®
HOBO® Data Loggers

HOBO® UX90 Loggers

Next-generation time-of-use loggers for fast, reliable monitoring

The award-winning HOBO UX90 Series is the industry's lowest-cost, most comprehensive family of "time-of-use" data loggers. The new toolbox suite includes LCD-display data loggers for measuring motor on/off status, electronic pulses, state changes, and occupancy and light-use patterns.

Leveraging patent-pending technology, HOBO UX90 data loggers streamline energy audits and make field deployment fast and reliable.

Accompanying HOBOware software also reduces deployment time. Time-saving features allow HOBO UX90 users to batch-configure and readout hundreds of loggers in a fraction of the time. Additionally, the software features a Bulk Export Tool that allows users to export data files to text format for use in spreadsheets and other programs.

Supported Measurements: State, Pulse, Event, Runtime, Light On/Off, Motor On/Off, Occupancy/Light

Key Advantages:

- LCD displays Time On or % On, providing instant feedback
- Auto-calibration & signal strength indicator ensure proper deployment
- 84k or 346k measurement capacity enables longer deployments with fewer site visits
- Rare-earth magnets, 3M Command™ Strips, or mounting tabs for reliable mounting
- Flexible logger Start and Stop options
- HOBOware Pro's time-saving features allow for easy setup of hundreds of loggers
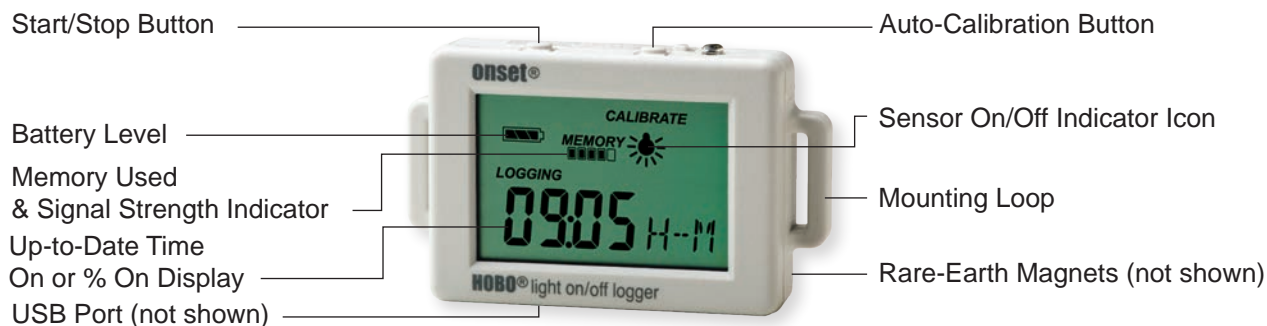
Minimum System Requirements:

Software   USB cable*

*USB cable included with software

Common Features of HOBO UX90 Series Loggers

Start/Stop Button

Auto-Calibration Button

Battery Level

Sensor On/Off Indicator Icon

Memory Used
& Signal Strength Indicator

Mounting Loop

Up-to-Date Time

On or % On Display

Rare-Earth Magnets (not shown)

USB Port (not shown)

Part number	UX90-001 (State)	UX90-002 (Light On/Off)	UX90-004 (Motor On/Off)	UX90-005 (Occupancy)	UX90-006 (Occupancy)
Memory	84,000 measurements				
Part number	UX90-001M (State)	UX90-002M (Light On/Off)	UX90-004M (Motor On/Off)	UX90-005M (Occupancy)	UX90-006M (Occupancy)
Memory	346,000 measurements				
INTERNAL SENSOR					
Maximum state, event, runtime frequency	1 Hz	--	--	--	--
Light threshold	--	65 lux	--	65 lux	
Light type	--	LED, CFL, fluorescent, HID, incandescent, natural	--	LED, CFL, fluorescent, HID, incandescent, natural	
AC magnetic field threshold	--	--	> 40 mGauss at 60 Hz	--	--
Maximum sensor detection range	--	--	--	5 m (15.4 ft)	12 m (39.4 ft)
EXTERNAL INPUT					
External contact input	solid state closure or logic driven voltage output	--	solid state closure	--	--
Maximum state, event, runtime frequency	1 Hz	--	1 Hz	--	--
Maximum Pulse Frequency	50 Hz	--	--	--	--
Battery life	1 year typical, user replaceable, CR2032				
Operating range	-20º to 70ºC (-4º to 158ºF); 0-95% RH (non-condensing)				
Dimensions	3.66 x 5.94 x 1.52 cm (1.44 x 2.34 x 0.6 in)		3.66 x 8.48 x 1.52 cm (1.44 x 3.34 x 0.6 in)	3.66 x 8.48 x 2.36 cm (1.44 x 3.34 x 0.93 in)	3.66 x 8.48 x 2.87 cm (1.44 x 3.34 x 1.13 in)
CE compliant	Yes				

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