

# 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.

**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
- Rare-earth magnets, 3M Command™ Strips, or mounting tabs for reliable mounting
- Flexible logger Start and Stop options
- HOBOWare Pro allows for easy setup of hundreds of loggers



## Minimum System Requirements:



Software  
See pg 35



USB cable\*

\*USB cable included with software part # BHW-PRO-CD

For the most accurate readings, use of Light Pipe UX90-LIGHT-PIPE-1 is recommended to eliminate the effects of ambient light. See page 44 for more details.

► For complete information and accessories, please visit: [www.onsetcomp.com](http://www.onsetcomp.com)

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