HOBO® UX90-006 Data Logger

Occupancy/Light (12m Range) Data Logger

The HOBO Occupancy & Light data logger monitors room occupancy and indoor light changes to identify occupancy patterns and determine energy usage and potential savings. The HOBO UX90-006 Room Occupancy/Light Data Logger is available in a standard 128 KB memory model (UX90-006) capable of 84,650 measurements and an expanded 512KB memory version (UX90-006M) capable of over 346,795 measurements.

Supported Measurements:

Light On/Off and Occupancy

Key Advantages:

- Measures room occupancy up to 12 meters away
- Auto-calibration of ON and OFF thresholds ensures reliable readings
- LCD screen displays signal strength, enabling proper logger placement
- Highly recommended light pipe accessory eliminates effects of ambient light to ensure the most accurate readings
- Compatible with HOBOware and HOBOware Pro software for logger setup, graphing and analysis

HOBO UX90-006 Data Logger Specifications

Occupancy Sensor

Detection Range
UX90-005x: maximum 5 m (15.4 ft);
UX90-006x: maximum 12 m (39.4 ft)

Detection Performance
UX90-005x: 94° (±47°) Horizontal; 82° (±41°) Vertical (see Figure A)
UX90-006x: 102° (±51°) Horizontal; 92° (±46°) Vertical (see Figure B)

Detection Zones
UX90-005x: 64 (see Figure A)
UX90-006x: 92 (see Figure B)

Light Sensor

Light threshold: > 65 lux
Light type: LED, CFL, fluorescent, HID, incandescent, natural

Logger

Time accuracy: ±1 minute per month at 25°C (77°F) (see Plot A)
Battery life: 1 year typical use

Memory
UX90-005/-006: 128 KB (84,650 measurements, maximum)
UX90-005M/-006M: 512 KB (346,795 measurements, maximum)

Download type: USB 2.0 interface
Download time: 10 seconds for 128 KB; 30 seconds for 512 KB

Logger Operating Range
Logging: -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing)
Launch/readout: 0° to 50°C (32° to 122°F) per USB specification

Occupancy sensor range: 20° to 60°C (-4° to 140°F); 15 to 85% RH (non-condensing)
LCD: LCD is visible from: 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range

Size
UX90-005x: 3.66 x 8.48 x 2.36 cm (1.44 x 3.34 x 0.93 in.)
UX90-006x: 3.66 x 8.48 x 2.87 cm (1.44 x 3.34 x 1.13 in.)

Weight: 30 g (1.06 oz)
Environmental rating: IP50

$C\epsilon$ - The CE Marking identifies this product as complying with all relevant directives in the European Union (EU)

Contact Us

Sales (8am to 5pm ET, Monday through Friday)
▶ Email sales@onsetcomp.com
▶ Call 1-508-759-9500
▶ In U.S. toll free 1-800-564-4377
▶ Fax 1-508-759-9100

Technical Support (8am to 8pm ET, Monday through Friday)
▶ Contact Product Support www.onsetcomp.com/support/contact
▶ Call 1-508-759-9500
▶ In U.S. toll free 1-877-564-4377

Onset Computer Corporation
470 MacArthur Boulevard
Bourne, MA 02532