

➤ **HOBO® U12 Indoor Data logger**



**HOBO U12 Series**



1 channel:  
Temperature



2 channels: Temp, RH



4 channels: Temp,  
RH, LIGHT, external



4 channels: Temp,  
RH, 2 external



4 external channels

**12-bit USB dataloggers**

The Hobo U12 family of dataloggers offers reliable convenient and precise measurement of environmental parameters. Thanks to the fast USB data download and 12 bit precision they are the best solution for indoor datalogging needs for such application as:

- ✓ HVAC verification
- ✓ Deposit monitoring
- ✓ Greenhouse monitoring
- ✓ Museum monitoring
- ✓ Food storage
- ✓ Pharmaceuticals

**Main features**

- 43,000 12 bit recordings
- 30 second full download to PC via USB
- Programmable or trigger launch
- Selectable recording interval from 1 s to 18h
- Logs all events such as battery level and log on/off
- Battery level indication at launch
- Flashing LED when in function
- LITHIUM CR-2032 battery user replaceable- lasts one year typically
- Non volatile memory avoids data loss in case of battery failure
- External channels for various sensors e.g. Temperature probes
- Temp range: -20° to 70°C, 5% to 95% RH non condensing
- Size weight: 5.8 x 7.4 x 2.2 cm/ca 46 g

**Software**

HOBO U12 series require HOBOWare PRO™ or Hoboware Lite, available for Win and Mac. Includes manual and USB connection cable.

HOBOWare will launch and readout U series loggers as well as ProV2, Weatherstations and Pendants. Graphics tools for easy data viewing and statistics. Data can be exported in Excel format.

**TECHNICAL FEATURES:****Temperature (internal sensor)****Range:** -20°C...+70°C**Precision** ±0.35°C from 0° to 50°C**Resolution** 0.03°C @ +25°C**Time constant** 6 min, typically@ 90%**Relative Humidity (user replaceable sensor)****Range:** 5%...95%**Precision** ±2.5% from 10% to 90%**Resolution** 0.03%**Time constant** 1 min, typically@ 90%**Light intensity****Range:** 1 a 3000 footcandles (lumens/ft<sup>2</sup>)**Angular response** Ca cosign of the angle directly above the sensor**External channel (for 2,5 Vcc)****Range:** 0...+2.5 Vcc**Precision:** ± 2mV ± 2.5% value**External channel temp probe****External channel temp probe – pointed stainless steel****Range:** -40°C...100°C**Range:** -40°C...100°C**Precision:** ±0,25°C**Precision:** ±0,25°C

Can be used in air water or soil; cable length available 1,8 o 6 m

Stainless steel probe length 102mm pointed; diameter 3,2 mm cable length 1,8m; ideal for food

