

# ● Measurement Control and Datalogging Technology ●



**Fast USB  
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## HOBO U12-012 4 Channel Logger

- **Input: Temp/RH/Light/External.**
- **64K Memory**
- **43,000 12-bit Measurements**
- **USB Interface**

### Measurement Ranges:

Temp: -20°C to +70°C; Acc ± 0.35°C (0 - 50°C)  
 RH: 5% - 95% RH; Acc ±2.5% (10-90%)  
 Light: 1 to 3000 lumens/ft<sup>2</sup>,  
 Ext: 0 to 2.5 v DC; Acc ± 2mV ± 2.5% of abs.rdg.

12-bit resolution.  
 64K memory (43,000 12-bit measurements).  
 Complete download in 30 seconds via USB.  
 Programmable start time/date or pushbutton start.  
 Programmable sampling rate (1 Sec to 18 Hr).  
 Numerous event types (button push/release, host PC connection, low battery) stored to data file asynchronously during logging.  
 Battery level indication at launch.  
 Battery level recorded as a separate channel.  
 Blinking LED confirms operation.  
 Non-volatile memory retains data if battery fails.  
 1 Year user replaceable CR-2032 battery.  
 Operating Range: -20°C to +70°C, 5% to 95% RH non-condensing, non-fogging.

Easy launch and readout via HOBOWare software.  
 Real time logging.  
 Continue logging during data readout and logger status viewing.  
 Data can be viewed in three formats: graphical, tabular and deployment stastics.  
 Size: 58 x 74 x 22 mm Weight: 46 gms

<b>Order Information</b>	<b>Part No.</b>
HOBO U12 Temp/RH/Light/Ext	U12-012
HOBOWare (Windows) Software Kit	BHW-PC
HOBOWare (Mac) Software Kit	BHW

## HOBO U12-013 4 Channel Logger

- **Input: Temp/RH/2xExt.Channels.**
- **64K Memory**
- **43,000 12-bit Measurements**
- **USB Interface**

### Measurement Ranges:

Temp: -20°C to +70°C; Acc ± 0.35°C (0 - 50°C)  
 RH: 5% - 95% RH; Acc ±2.5% (10-90%)  
 Ext: 0 to 2.5 v DC; Acc ± 2mV ± 2.5% of abs.rdg.

12-bit resolution.  
 64K memory (43,000 12-bit measurements).  
 Complete download in 30 seconds via USB.  
 Programmable start time/date or pushbutton start.  
 Programmable sampling rate (1 Sec to 18 Hr).  
 Numerous event types (button push/release, host PC connection, low battery) stored to data file asynchronously during logging.  
 Battery level indication at launch.  
 Battery level recorded as a separate channel.  
 Blinking LED confirms operation.  
 Non-volatile memory retains data if battery fails.  
 1 Year user replaceable CR-2032 battery.  
 Operating Range: -20°C to +70°C, 5% to 95% RH non-condensing, non-fogging.

Easy launch and readout via HOBOWare software.  
 Real time logging.  
 Continue logging during data readout and logger status viewing.  
 Data can be viewed in three formats: graphical, tabular and deployment stastics.  
 Size: 58 x 74 x 22 mm Weight: 46 gms

<b>Order Information</b>	<b>Part No.</b>
HOBO U12 Temp/RH/2xExt	U12-013
HOBOWare (Windows) Software Kit	BHW-PC
HOBOWare (Mac) Software Kit	BHW