

High-accuracy temperature monitoring for challenging process conditions



HOBO U12 Stainless Temperature data loggers are ideal for food, pharmaceutical, autoclave, and other applications where high-accuracy temperature data is critical. They can withstand process conditions from pasteurization to flash freezing and washdown.

Key Advantages:

- High-accuracy, extended temperature range
- Suitable for high pressure applications to 2200 psi
- Fast readout via direct USB interface

Supported Measurements:

- Temperature

Minimum System Requirements:



HOBOConnect



Software



USB Cable

- iOS 11, 12 and 13
- Android 7, 8, 9 and 10
- Bluetooth 4.X and up



Technical Specifications:

Part number	U12-015	U12-015-02
Memory	43,000 measurements	
Battery life	3 year typical, factory replaceable	
Response time	10 minutes (to 90% in airflow of 1 m/s) 3.5 minutes (to 90% in water)	2.25 minutes (to 90% in airflow of 1 m/s) 20 seconds (to 90% in water)
Operating range	Logging: -40° to 125°C (-40° to 257°F) Launch/readout: 0° to 50°C (32° to 122°F), per USB specification	
Range	-40° to 125°C (-40° to 257°F)	
Accuracy	± 0.25°C from 0° to 50°C (± 0.45°F from 32° to 122°F)	Accuracy: ± 0.25°C from 0° to 50°C (± 0.45°F from 32° to 122°F)
Resolution	0.03°C at 25°C (0.05°F at 77°F)	0.03°C at 25°C (0.05°F at 77°F)
Dimensions	17.5 x 101.6 mm (0.69 x 4.00 in)	Logger: 17.5 x 101.6 mm (0.69 x 4.00 in) Probe: 4 x 124 mm (0.16 x 4.90 in)
CE compliant	Yes	

HOBOconnect® App for MX Data Loggers

Easy logger setup and data management with your mobile device or Windows computer

Onset's free HOBObconnect app makes it fast and easy to configure compatible HOBO MX Series data loggers (chart below) and manage the collected data. Just download the app from the Apple App Store or Google Play to your mobile device, or download from our website to your Windows computer. With HOBObconnect, you can view data in graphs, check the operational status of loggers, share data files and graph images for analysis in Excel, Numbers, and other applications, plus store data in the cloud. HOBObconnect also lets you quickly set up audible alarm notifications, so you're immediately alerted to any problems.



Features:

- Communicates to HOBO MX data loggers using Bluetooth (LE) technology
- No internet connection required
- Set data logger's name, password, logging rate, alarm threshold, start and stop time
- Automatically upload data to Onset's cloud-based HOBOblink software to store and merge data files
- Configure and clear audible alarms
- Page the data logger
- Quickly download and view data
- Export and share data as CSV, TXT, XLSX, or HOBO files