



The HOBOWare PRO U24 Conductivity Logger is a high-accuracy, cost-effective data logger for measuring salinity, conductivity and temperature in estuaries, bays and other saltwater sources.

- **HOBOWare PRO Software (v3.0)** enables **start/end-point calibration**
- **USB optical interface** provides high-speed, reliable data offload in wet environments
- Compatible with the **HOBOWare Waterproof Shuttle** for easy and reliable data retrieval and transport

HOBOWare[®] U24-002 Conductivity Logger

The HOBOWare U24 Conductivity Logger is a high-accuracy, cost-effective data logger for measuring conductivity and temperature in streams, lakes, and other freshwater sources.

Features:

- Non-contact sensor reduces measurement error from fouling
- Provides easy access to sensor for cleaning and shedding air bubbles
- Two user-selectable ranges provide measurements from 100 to 65,000 $\mu\text{S}/\text{cm}$.
- The Delrin housing will not corrode in saltwater
- **HOBOWare Pro software** enables **start/end-point calibration** to compensate for any fouling and provides easy conversion to specific conductance and salinity using the Practical Salinity Scale 1978 (PSS-78)
- USB optical interface provides high-speed, reliable data offload in wet environments
- Compatible with the HOBOWare Waterproof Shuttle for easy and reliable data retrieval and transport

Environment:

The U24-002 Data Logger is for use in **Underwater** environments

Measurements:

The U24-002 Data Logger supports the following measurements : Conductivity, Salinity, Temperature

Memory - 18,500 temperature and conductivity measurements when using one conductivity range; 14,400 sets of measurements when using both conductivity ranges (64kbytes)

Sample rate - 1 second to 18 hrs, fixed or multiple-rate sampling with up to 8 user-defined sampling intervals

Battery life - 3 years (@ 1 min logging)

Maximum Depth - 70 m (225')

Operating Range - -2 to 36°C - non freezing

Weight - 193 gm (6.82 ounces), buoyancy in freshwater: -59.8 gm

Size - 3.18 cm diameter x 16.5 cm, with 6.3 mm mounting hole (1.25" diameter x 6.5", 1/4" hole)

Calibrated Range - *Conductivity*: Low Range: 0 to 1,000 $\mu\text{S}/\text{cm}$; Full Range: 0 to 10,000 $\mu\text{S}/\text{cm}$ - *Temperature*: 5 to 35C

Accuracy - *Conductivity*: 3% of reading, or 5 $\mu\text{S}/\text{cm}$, whichever is greater / *Temperature*: 0.1C

Resolution - *Conductivity*: 1 $\mu\text{S}/\text{cm}$ - *Temperature*: 0.01°C

Response time - 1 second to 90% of change

Order Information

Part No

HOBOWare Conductivity Logger	U24-001
HOBOWare Pro Software for Windows/MAC	BHW-PRO-CD
Optical Base Station	BASE-U-4
HOBOWare Shuttle	U-DT-1
HOBOWare Waterproof Shuttle	U-DTW-1

