

# Product Cleaning Reference Guide

Onset products are built with a variety of materials, each carefully chosen to best suit the environment where the loggers and sensors will be deployed. Because of the wide range of materials in use, there are different recommended cleaning methods for each product. Refer to the following chart to determine the compatible cleaning methods for your product based on its wetted materials. This guide lists safe cleaning methods for select loggers and sensors only; additional details on cleaning and maintenance for your device may also be available in the product manual. **Note:** When instructions call for warm soapy water, use a few drops of dish soap (such as Dawn®) or biodegradable soap.

| Part Number(s)   | Product Name   | Wetted Materials  | Cleaning Guidelines  |
|--|--|---|--|
| U12-008  | HOBO® U12 4-Channel External Data Logger             | ABS   | Briefly submersible for cleaning only. Clean housing and sensor cables with warm soapy water.<br><br>To protect the logger electronics, do not fully submerge in water for an extended period of time.   |
| U12-015, U12-015-02  | HOBO U12 Stainless Temperature Data Logger           | 316 stainless steel   | Completely submersible. Clean with 10% bleach solution, isopropyl alcohol, or warm soapy water.  |
| U20-001-01, U20-001-01-TI, U20-001-02, U20-001-02-TI, U20-001-03, U20-001-03-TI, U20-001-04, U20-001-04-TI | HOBO U20 Water Level Data Logger                     | 316 stainless steel, Viton®, acetyl, ceramic                            | Completely submersible. Clean with 10% bleach solution, isopropyl alcohol, or warm soapy water.  |
| U20L-01, U20L-02, U20L-04  | HOBO U20L Water Level Data Logger                    | Polypropylene, Viton, Buna-N, ceramic, acetyl, stainless steel          | Completely submersible. Clean with isopropyl alcohol or warm soapy water.  |
| U22-001, H20-001   | HOBO Water Temp Pro v2 Data Logger                   | Polypropylene, EPDM, stainless steel                                    | Completely submersible. Clean with isopropyl alcohol or warm soapy water.  |
| U23-001  | HOBO U23 Pro V2 Temperature/RH Data Logger           | Styrene, polypropylene, Buna-N, vinyl, polyethersulfone                 | Not submersible. Clean logger housing with warm soapy water, but do not submerge in water.   |
| U23-002  | HOBO U23 Pro V2 External Temperature/ RH Data Logger | Styrene, polypropylene, Buna-N, vinyl, PVC, polyethersulfone            | Logger is briefly submersible for cleaning only, but the sensor probe is not. Clean logger housing with warm soapy water and clean the probe with a damp cloth.<br><br>To protect the logger electronics, do not fully submerge in water for an extended period of time.   |
| U23-003, U23-004   | HOBO U23 Pro v2 External Temperature Data Logger     | Styrene, polypropylene, Buna-N, vinyl, PVC, polyethersulfone            | Briefly submersible for cleaning only. Clean logger housing and sensor probe with warm soapy water.<br><br>To protect the logger electronics, do not fully submerge in water for an extended period of time.   |
| U24-001, U24-002-C   | HOBO Conductivity Data Logger                        | Acetal, polypropylene, EPDM, stainless steel, epoxy, titanium pentoxide | Completely submersible; clean with a few drops of dish soap or biodegradable soap in a cup of warm tap water. Use vinegar and water to dissolve crusty deposits on the conductivity sensor.  |
| U26-001  | HOBO Dissolved Oxygen Logger                         | Delrin®, PVC, EPDM, silicon bronze                                      | Completely submersible. Wipe the sensor cap with a soft-bristled brush or soft cloth to remove biofouling. Gently scrub the logger body with a plastic bristle brush or nylon dish scrubber. Use Alconox® to remove grease. Soak in vinegar to remove mineral deposits and then rinse with deionized (DI) water. |

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|---|---|--|--|
| UA-001-08, UA-001-64,<br>UA-002-08, UA-002-64,<br>UA-003-64           | HOBO Pendant® Data<br>Logger  | Polypropylene, 18-8<br>stainless steel, Buna-N | Completely submersible. Clean with isopropyl<br>alcohol or warm soapy water.   |
| UTBI-001, TBI32-05+37,<br>TBI32-20+50, TBIB-40+75 IS,<br>TBXT08-20+70 | TidbiT v2 Water<br>Temperature and StowAway<br>TidbiT Temperature Data<br>Loggers | Epoxy, Mylar®                                  | Completely submersible. Clean with warm soapy<br>water.  |
| WTA-08, WTA-32  | Optic Stowaway Temp   | Polycarbonate                                  | Completely submersible. Clean with isopropyl<br>alcohol or warm soapy water.   |
| H08-030-08, H08-031-08,<br>H08-008-04                                 | HOBO H08 Temp Loggers<br>and Outdoor 4-Channel<br>External                        | PVC  | Briefly submersible for cleaning only. Clean logger<br>with isopropyl alcohol or warm soapy water. Clean<br>sensor probe and cable with warm soapy water.  |
| S-SMC-M005, S-SMD-M005  | EC-5 and 10HS Soil Moisture<br>Smart Sensors                                      | PVC, polycarbonate,<br>fiberglass, EPDM        | Briefly submersible for cleaning only. Clean sensor<br>probe and cable with warm soapy water.<br><br>To protect the sensor electronics, do not fully<br>submerge in water for an extended period of<br>time.                 |
| S-TMA-M002, S-TMA-M006,<br>S-TMA-M017, S-TMB-M002,<br>S-TMB-M006      | 8-Bit and 12-Bit<br>Temperature Smart Sensors                                     | PVC, polycarbonate,<br>EPDM                    | Briefly submersible for cleaning only. Clean sensor<br>probe and cable with warm soapy water.<br><br>To protect the sensor electronics, do not fully<br>submerge in water for an extended period of<br>time.                 |
| TMC1-HD, TMC20-HD,<br>TMC50-HD, TMC6-HD                               | Air/Water/Soil Temperature<br>Sensors   | PVD, stainless steel<br>316 or 304, polyolefin | Briefly submersible for cleaning only. Clean sensor<br>probe and cable with warm soapy water. The<br>sensor probe and cable can be submerged in<br>water, but the connector end is not intended for<br>prolonged exposure.   |
| TMC6-HC   | Stainless Steel Temperature<br>Probe  | PVD, stainless steel<br>316 or 304, polyolefin | Briefly submersible for cleaning only. Clean sensor<br>probe and cable with warm soapy water.  |
| TMC6-HE   | Temperature Sensor  | PVD, stainless steel<br>316 or 304, polyolefin | Briefly submersible for cleaning only. Clean sensor<br>probe and cable with warm soapy water.  |
| W-TMB   | HOBOnode Temperature<br>Wireless Sensor   | PVC, polycarbonate,<br>EPDM                    | Briefly submersible for cleaning only. Clean node<br>housing, sensor probe, and cable with warm soapy<br>water.<br><br>To protect the node electronics, do not fully<br>submerge in water for an extended period of<br>time. |
| W-SMC   | HOBOnode Soil Moisture<br>Wireless Sensor   | PVC, polycarbonate,<br>fiberglass, EPDM        | Briefly submersible for cleaning only. Clean node<br>housing, sensor probe, and cable with warm soapy<br>water.<br><br>To protect the node electronics, do not fully<br>submerge in water for an extended period of<br>time. |