

HOBOWare Pro vs. HOBOWare (Free)			
Features	Pro	Free	Description
Logger Support			
Support for HOBO U-Series Loggers	*	*	Launch, Readout, Status, Export, etc...
Support for HOBO RX3000 Series Loggers	*	*	Initial setup of WiFi or Ethernet units
Support for HOBO U30 & H21 Weather Station, HOBO Micro Station, and the HOBO Energy Logger	*	*	Launch, Readout, Status, Export, Data Assistants etc...
Support for HOBO Conductivity, Dissolved Oxygen and Water Level Loggers	*		Launch, Readout, Status, Export, Data Assistants etc...
Configure HOBO FlexSmart modules	*	*	Configure Modules for H22 Energy Logger or U30 Station
Support for HOBO U-Shuttle and HOBO Waterproof Shuttle	*		A data shuttle is a pocket-sized device that can be used to offload/restart multiple data loggers and transport the data back to a personal computer, allowing the loggers to stay in place for continuous monitoring/recording
File support for HOBO H-Series Loggers	*	*	Open a .DTF BoxCar file
Multi-Language Support	*	*	English (United States), Spanish (Spain), French (France), German (Germany), Portuguese (Portugal), Japanese (Japan)
Firmware Upgrade Tool	*	*	Automatically detects when a new firmware file is available for UX series data loggers and walks you through the update process.
Set Up/Launch	Pro	Free	Description
Launch supported loggers	*	*	To set up a logger to record data, you must specify several parameters and launch, or start, the logger.
Launch time-saving options	*		By default, HOBOWare Pro displays the Launch window when you initiate a launch. If you want to skip the launch window and launch the logger with the default settings, choose Automatically launch. This is particularly useful if you want to launch many loggers quickly without changing any settings
Check Logger Status and view current readings	*	*	The Status window displays the current status of the logger
Filters to extract key series information at Launch	*	*	As part of the launch setup, you can create a filtered series that automatically calculates additional values, such as maximum, minimum, average, or total, for a set interval upon readout of the logger. This saves you the time of manually filtering data for each series after readout.
Scaling at Launch	*	*	Scaling allow you to convert raw logger data to measurement units. Linear, and Pulse scaling are available from the Launch Screen

Readout	Pro	Free	Description
Readout and open-file time-saving options	*		This feature allows you to skip a number of default actions when reading out a logger (such as being prompted to saving or the Plot Setup window).
Save (Project) Changes	*	*	A project file (.hproj) is a plot that you have customized using the various features and tools of HOBOWare. When you open a project file, the plot appears as it did when you saved the project file, and contains all of the same data
Export & Import	Pro	Free	Description
Export Preferences	*	*	Easily Customize you Date and Time format, File Type and other format options
Export to directly to a .CSV, .TXT or .XLS (Excel) format	*	*	Export Dataset to a CSV, TXT or XLS file
Bulk Export Tool	*		The Bulk Export Tool is a plug-in tool for HOBOWare Pro that exports HOBOWare files to text or Microsoft Excel format for use in other programs. This tool is particularly helpful when you need to export multiple files at once
Import Text Data	*		All one to import and graph non-HOBOWare data in certain text files
Copy Graph to Clipboard	*	*	This features allows you to copy your graph so it can be used in other programs such a Power Point or Word for presentations.
Graphing Analysis	Pro	Free	Description
Graphing	*	*	Easily display the recorded data series in a Plot
Setting Properties	*	*	This allow you to set your Preference for Series, Axis & Plots.
Graph Labels	*	*	You can add multiple labels to a graph to identify specific points or call attention to a region of the graph
Zooming, Panning, and Smart Scaling Plots	*	*	You can adjust the viewing area of the plot by zooming, panning, and smart scaling
Pie Charts	*		Pie charts for loggers with state series that you can view, print, and save as .png files for additional analysis beyond line graphs. This is especially helpful for light and occupancy data from UX90-005x and -006x loggers
Copy a Series	*	*	This allows you to Copy a series from one plot to another. This also allows you to combine synchronous and asynchronous data sets.
Overlaying a series	*	*	This allows you to compare data with different time axis
Cropping a series	*		This feature allows you to remove data from a series by changing the time frame. You can crop one or multiple series in a plot
Merging data files	*	*	This feature allows you to combine multiple datafiles from a deployment into one file. Note that only series of the same type and name can be merged and there cannot be an overlap in the time in the series
Filters to extract key series information	*	*	A filter allows you to calculate additional values, such as maximum, minimum, average, or total, over a time frame. For example, one can calculate the Total On Time per Hour or Day.
Subset Statistics Tool	*		The Subset Statistics feature allows you to select a range of data in a graph, and display the maximum, minimum, average and standard deviation for the measurements in that

			range
Dissolved Oxygen Data Assistant	*		This corrects for measurement drift from fouling and provides salinity-adjusted DO concentration as well as percent saturation data
Conductivity Data Assistant	*		This provides easy conversion to specific conductance and salinity and enables start/end-point calibration to compensate for any fouling
Growing Degree Days Data Assistant	*		Growing Degree Days is a measurement of growth potential given historical temperature data. It can be a measure of crop or pest maturity, given the input parameters
Grains Per Pound Data Assistant	*		Also known as Humidity Ratio or Mixing Ratio, Grains Per Pound is a measure of the mass in grains of H2O in otherwise dry air
Barometric Compensation Data Assistant	*		The Barometric Compensation Assistant compensates water level measurements for barometric pressure using HOBOWare or text barometric files
Linear Scaling Data Assistant	*	*	Linear scaling allows you to convert raw logger data to measurement units
Pulse Scaling Data Assistant	*	*	Pulse scaling allows you to convert data recorded from a third-party pulse output sensor to the actual measurement units
kWh Assistant	*		The kWh Assistant converts logged pulse to kWh, average kW, and energy cost with WattNode, Veris, or other energy transducers
21 CFR Part 11 Compliance	*		This document explains Onset's position on 21 CFR
HOBOnode Manager for ZW Data Nodes Learn More	Pro-Only		HOBOnode Manager is the software tool within HOBOWare Pro for setting up and managing a ZW wireless data network, which consists of a receiver, data nodes, and router nodes
Logging and Connection Intervals	*		You have the ability to adjust the recording & connection intervals with 1 minute being the quickest
Labels	*		Labels can be applied to Data Nodes and individual sensors for easier data management
Groups	*		Group Labels can be applied to Data Nodes for easier data management when Exporting & Plotting the recorded data.
Scaling	*		Scaling allow you to convert raw logger data to measurement units for 3rd party sensors
Real-Time Plots	*		In the plots window, you can view sensor data in real-time plots
Device table	*		The Device Table displays information about the receiver and each node and configured sensor in your network including labels, battery status, signal strength, the latest measurment & alarm status
Network Map	*		Place icons on the Network Map to help you keep track of your devices. You can expand Information Balloons on the device to view status information and sensor readings. You can also import a custom background image, such as a floor plan
Alarms	*		There are two types of alarms in HOBOnode Manager: sensor alarms and system alarms. With sensor alarms, you can set an alarm to trip when a sensor reading is out of a range you specify. With system alarms, you can set an alarm to trip when a node is missing from the network or has a low battery
Plotting & Export Data	*		Using the Plot/Export Wireless Data capability, you can plot data directly in HOBOWare or you can export it to a text or .csv file to open in another program for further analysis. You can pinpoint the exact data you wish to plot or export, allowing

		you to view data from current and/or previous network deployments, and specific data nodes, a subset of certain sensors from selected data nodes, groups of data nodes as configured in HOBOnode Manager and a specific date range or timeframe
Automated Data Delivery	*	With data delivery, you can automatically save recorded sensor data from nodes in your network to a single .txt, .csv, or .xls file on a regular schedule. This allows you to store data from your current data node network deployment for future reference and analysis or access data remotely when you are away from the network by sending it automatically to a FTP site, email address or a Network drive on your Local Area Network.
HOBOnode Viewer	*	You can view plots and data from your HOBOnode data node network on your Local Area Network with HOBOnode Viewer