

## DATALOGGER BLUETOOTH HOBO MX1101

### Highlighted Features

Wireless communication via Bluetooth Low Energy (BLE) technology  
Easy to deploy and offload using free HOBOnnect app  
Visual and audible high & low alarm thresholds  
Stores 84,000 measurements

### Temperature Sensor

Range -20° to 70°C (-4° to 158°F)  
Accuracy  $\pm 0.21^{\circ}\text{C}$  from 0° to 50°C ( $\pm 0.38^{\circ}\text{F}$  from 32° to 122°F)  
Resolution 0.024°C at 25°C (0.04°F at 77°F)  
Drift  $< 0.1^{\circ}\text{C}$  (0.18°F) per year

### RH Sensor\*

Range 1% to 90%, non-condensing  
Accuracy  $\pm 2.0\%$  from 20% RH to 80% RH typical to a maximum of  $\pm 4.5\%$  including hysteresis at 25°C (77°F); below 20% RH and above 80% RH  $\pm 6\%$  typical  
Resolution 0.01%  
Drift  $< 1\%$  per year typical

### Response Time

Temperature 7:30 minutes in air moving 1 m/s (2.2 mph)  
RH 20 seconds to 90% in airflow of 1 m/s (2.2 mph)

### Logger

Radio Power 1 mW (0 dBm)  
Transmission Range Approximately 30.5 m (100 ft) line-of-sight  
Wireless Data Standard Bluetooth Smart (Bluetooth Low Energy, Bluetooth 4.0)  
Logger Operating Range -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing)  
Logging Rate 1 second to 18 hours  
Logging Modes Fixed interval (normal, statistics) or burst  
Memory Modes Wrap when full or stop when full  
Start Modes Immediate, push button, date & time, or next interval  
Stop Modes When memory full, push button, date & time, or after a set logging period  
Restart Mode Push button  
Time Accuracy  $\pm 1$  minute per month at 25°C (77°F)  
Battery Life 1 year, typical with logging interval of 1 minute. Faster logging and/or statistics sampling intervals, entering burst logging mode, and remaining connected with the app will impact battery life. Excessive readouts, audible alarms, and paging all impact battery life. Visual alarms and other events can have a marginal impact on battery life.  
Battery Type Two AAA 1.5 V alkaline batteries, user replaceable  
Memory 128 KB (84,650 measurements, maximum)  
Full Memory Download Time Approximately 60 seconds; may take longer the further the device is from the logger  
LCD LCD is visible from 0° to 50°C (32° to 122°F); the LCD may react slowly or go blank in temperatures outside this range  
Size 3.66 x 8.48 x 2.29 cm (1.44 x 3.34 x 0.9 in.)  
Weight 56 g (1.98 oz)  
Environmental Rating IP50

