

## 195-704-B 4-Channel Analog Data Logger

The **195-704-B 4-Channel Analog Data Logger** has 16-bit resolution and can record up to 1.9 million measurements. The four external channels accept a variety of analog sensors. The 195-704-B supports the following measurements (sensors sold separately): 4-20 mA, DC voltage, pressure, temperature, evaporation pan level, solar radiation, wind speed and wind direction. Most sensors will require a separate power source. A voltage input cable is required (sold separately). Using HOBOWare®, you can easily configure from 1 to 4 sensors. The logger can calculate minimum, maximum, average, and standard deviation statistics. This easy-to-use data logger has a built-in LCD screen to check current readings and to monitor logging status, battery use, and memory consumption in between readouts.

Stored data is collected by a direct USB interface cable connected to a laptop or PC. Graphing: View multiple parameters on one graph, zoom and axis-control tools. Check logger status: Verify logger operation while logging and current readings. Export data to other programs: Microsoft® Excel or other ASCII-compatible programs.

The logger will be setup and programmed with the sensor or sensors that are ordered with the logger.

### Specifications

**Operating Range Logging:** -20° to 70°C (-4° to 158°F); 0 to 95% RH (non-condensing)

**Launch/Readout:** 0° to 50°C (32° to 122°F) per USB specification

**Logging Rate:** 1 second to 18 hours, 12 minutes, 15 seconds

**Logging Modes:** Fixed interval (normal), burst, or statistics

**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, or date & time

**Restart Mode:** Push button

**Time Accuracy:** ± 1 minute per month at 25°C (77°F)

**Measurement Accuracy:** ± 0.1mV ± .1% with 2.5V input

**Power Source:** Two AAA 1.5 V alkaline batteries, user replaceable, and USB cable

**Battery Life:** 1 year, typical with logging rate of 1 minute and sampling interval of 15 seconds or greater

**Memory:** 4 MB (1.9 million measurements, maximum)

**Download Type:** USB 2.0 interface

**Full Memory Download Time:** Approximately 1.5 minutes

**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:** 10.8 x 5.41 x 2.54 cm (4.25 x 2.13 x 1 in.)

**Weight:** 107.5 g



195-704N-B Data Logger in NEMA Enclosure

### Ordering Information

195-704-B	4-Channel Data Logger
195-704N-B	4-Channel Data Logger in NEMA Enclosure with clear lid for viewing current readings
195-BHW	Software for PC or Mac, incl 3' cable
195-BHW-KIT	HOBOWare CD for PC, incl 6' cable
195-CABLE-2.5	Voltage Input Cable 2.5mm (one per channel)