

## 255-110x-B Evaporation Gauge Reader


The **255-110x-B Evaporation Gauge Reader** is a portable display for the NovaLynx 255-100 Analog Output Evaporation Gauge. Readings from the display indicate *relative* depth of water in the gauge.\* The difference between readings on successive days indicates the amount of evaporation.

The reader may also be used during installation of the evaporation gauge and for checking the operation of the evaporation gauge during regular maintenance. The large LCD display is visible through the clear protective cover even in bright sunlight. The reader is calibrated in inches or millimeters.

### Features

- Large display, daylight readable
- Calibrated in inches or millimeters
- Portable, simple to connect
- 1 year typical battery life (2 AAA alkaline batteries)



Display	LCD, 5-digit
Range	
Model 255-110-B	0 to 9.444 inches
Model 255-110M-B	0 to 239.8 millimeters
Resolution	
Model 255-110-B	0.001 inches
Model 255-110M-B	0.01 millimeters
Accuracy	± 0.1% of reading
Sensor excitation	2.5 Volts, 4 mA total. Excitation 5 mS before sensor reading begins.
Operating Temperature	32 to 122 °F (0 to 50 °C)
Communications	USB 2.0 interface
Enclosure	Clear ABS, 2.7" x 4.3" x 1.3" (69 x 110 x 33 mm)
Battery	Two AAA 1.5 V alkaline batteries, user replaceable
Weight / shipping	8 oz / 1 lb (227g / 454 g)
	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

### Ordering Information

255-110-B	Evaporation Gauge Reader, inches
255-110M-B	Evaporation Gauge Reader, millimeters
255-110MS	3-Pin MS Connector Option (for use with old-style evaporation gauge)

### Optional Software

195-BHW-KIT	HOBOWare® for PC/Mac on CD, 6' USB cable
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\*The NovaLynx 255-110x-B is calibrated using a generic slope with zero offset. Since the float does not rise until a certain amount of water is present, the readings will not correspond to the actual depth of the water in the pan. However, since evaporation is a *relative* quantity (the difference in level between two points in time), the offset is not important, as long as the float is not resting on the bottom. It is possible to calibrate the reader to the specific evaporation gauge using a two-point method, which will adjust the slope and offset so that the readings match (within reason) the depth of water in the evaporation pan. NovaLynx 195-BHW-KIT includes software and a USB cable for programming the slope and offset.