

Benchtop pH/mV Meter with 0.01 Resolution - HI2211



Features at-a-glance

- **Simple User Interface** – operation is simple with limited features that only require the use of a couple of buttons. Readings are easy to view on the large, clear display.
- **One or Two-Point Calibration** – Automatic calibration can be performed at 1 or 2 points using the 5 preprogrammed buffers (4.01, 6.86, 7.01, 9.18, 10.01).
- **HI1131B pH Electrode** – The HI2211 is supplied with the HI1131B glass body, double junction, refillable pH electrode with an indicating sensor made of High Temperature (HT) glass. The double junction and HT glass design allows the HI1131B to be used in a wide variety of application from samples with metals and Tris buffer to samples at elevated temperatures.
- **Temperature Compensation** – The HI2211 offers automatic or manual temperature compensation of pH measurements over a wide range from -9.9 to 120.0°C.
- **mV mode** – The HI2211 has a mV mode that can be used with a wide variety of ORP electrodes. The mV mode is also useful in checking the offset and slope of the pH electrode. Understanding the offset and slope characteristics is helpful in knowing if the probe is functioning correctly.
- **Stability Indicator** – The HI2211 features a stability indicator. An hourglass appears on the display when there is instability in the reading. The hourglass disappears when the reading has stabilized. At that time a reading should be taken or stored.
- **Measurement Recall** – The HI2211 has a “MEM” button to store a reading. The reading can be recalled at anytime by pressing the memory recall “MR” button.

pH Specifications

pH Range	-2.00 to 16.00 pH
pH Resolution	0.01 pH
pH Accuracy (@25°C/77°F)	±0.01 pH
pH Calibration	automatic, one or two-point with five memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01)
pH Temperature Compensation	automatic or manual from -9.9 to 120.0°C
mV Range	±399.9 mV; ±2000 mV
mV Resolution	0.1 mV; 1 mV
mV Accuracy	±0.2 mV (±399.9 mV); ±1 mV (±2000 mV)

Temperature Specifications

Temperature Range	-9.9 to 120.0°C (14.2 to 248.0°F)
Temperature Accuracy	±0.5°C (0.0-100.0°C); ±1°C (outside)
Temperature Resolution	0.1°C

Additional Specifications

Electrode/Probe	glass body pH electrode with BNC connector
Temperature Probe	stainless steel temperature probe
Environment	0 to 50°C (32 to 122°F; 273 to 323 K), RH max 95% non-condensing
Input Impedance	10 ¹² Ohms
Power Supply	12 VDC adapter (included)
Dimensions	240X182X74mm (9.4X7.1X2.9")