

JENCO



Standard Benchtop pH Meter

pH, mV, °C

The Jenco 6173R benchtop pH meter is a unique combination of functional appearance, useful features, quality measurements and great value:

Quick and Easy pH Measurements

Clear, large LCD display (4 1/8 X 3 1/16 in.).

Displays pH and temperature, or mV and temperature readings at the same time.

Convenient calibration with automatic buffer recognition of US and European buffer sets. Calibration data is stored in memory and is ready for use on power up.

Readings are automatically compensated for temperature (ATC). Meter automatically switches into manual compensation mode when a temperature probe is not present.

Automatic lock mode is available to lock in stable readings.

Intuitive operation with membrane keypad with tactile and audio feedback.

Carefree Maintenance

Displays electrode efficiency for optimized electrode maintenance.

Splash resistant case is made with durable, reinforced plastic for added protection. Protective covers for connectors are included.

Large LCD is offset for improved protection against unintentional damage.

Smaller case does not clutter valuable desk space.

Standard Inputs and Outputs

RS-232 computer interface (6173R only) with software.

BNC connector for pH, reference pH and temperature.

8 pin DIN connector for 10k thermistor.

Pin plug connector for reference pH.

AC adaptor or battery power.



Specifications

Range

pH	- 6.00 to 20.00 pH
mV	- 2000 to 2000 mV
Temp	- 10.0 to 120.0 °C

Resolution

pH	0.01 pH
mV	1.0 mV
Temp	0.1 °C

Accuracy

pH	$\pm 0.01 \text{ pH} \pm 1 \text{ LSD}$
mV	$\pm 0.05 \% \text{ full scale} \pm 1 \text{ LSD}$
Temp	$\pm 0.5 \text{ }^\circ\text{C}$

General

pH Temp Compensation	Auto/manual -10.0 to 120.0 °C
pH Buffer Recognition	(4.01, 7.00, 10.01) or (4.00, 6.86, 9.18)
pH Buffer Temp. Range	0 to 60 °C
PH Electrode Offset Recognition	$\pm 90 \text{ mV}$ at pH 7.00 or 6.86
pH Electrode Slope Recognition	$\pm 30 \%$ at pH 4.00, 4.01, 9.18 or 10.01
Input Impedance	$>10^{13} \text{ ohms}$
Power Supply	Batteries or AC adapter
Battery Life	~ 50 hours
Calibration Backup	EEPROM
Audio Feedback	All Touch Keys
End Point Sensing & Hold	Yes
LCD Character Size (Main, Temp)	16 mm, 21 mm high LCD
Ambient Temp. Range	0 to 50 °C
Relative Humidity	Up to 95%
ATC Probe	Thermistor, 10k ohm at 25 °C
RS-232 communication	Bate Rate 9600
Dimensions (W x D x H)	165 mm x 230 mm x 80 mm
Weight	650 grams (Excluding batteries)

Accessories

600P	pH/reference electrode with BNC connector
6000P	pH/temperature/reference electrode w/4 pin connector
6005C	Extension cable (3 ft) 4 pin to BNC & 8 pin ATC
6230A	Glass, thermistor 10k, 8-pin connector
6007D115	115 V AC adapter
6007D230	230 V AC adapter
007N	Electrode holder arm

