

- Bench top operation
- 0-14 pH scale
- + and – millivolt scale
- Front panel controls
- 4.5" taut band meter with electrode

DESCRIPTION

The most compact large portable meter available today. A full 4.5" taut band meter and totally solid state electronics, will survive the most severe conditions. The Model 100 pH/mv Meter can easily go anywhere to record the pH waste outflow or a chemical reaction. The Model 100A has a standard 0 to 14 pH scale, and an accuracy of .1 pH unit. All controls are on the front panel for easy calibration.

The Teflon insulated input circuit assures accurate measurements under the most severe conditions, including high humidity environments. The special input circuit allows the use of electrodes up to 100 feet away without the need for preamplifiers. Temperature compensation is from 0 to 100 degrees.

The instrument is designed to be operated either in the lab or in the field. The Model 100 is supplied with a rugged plastic bodied pH electrode, which is suitable for most field applications. Other electrodes are available for Select Ion or ORP measurements. Other pH electrodes are available for food, soil other special applications.

Input current of less than 2 picoamps makes possible the use of almost any electrochemical electrode. Electrode impedance may be as high as 1000 Megohms without producing significant error the ± 700 mv scale is excellent for redox or other electrochemical measurements

Most electrodes with a BNC connector may be used with model 100A. No special preamps are required.

Other options are available for the Model 100. Contact your Kruger & Eckels dealer for further details or refer to the model 100 price list.



MAINTENANCE

The Model 100 is warranted for two years and will require little maintenance throughout its lifetime. The electrode should be cleaned and calibrated periodically. The frequency of cleaning and calibration will depend upon the type of installation and the nature of the chemistry under control. It is a good policy to initially clean and calibrate frequently, perhaps daily, until a proper cleaning cycle is established.

Specifications	
Input current	2 picoamps maximum
Temperature control	0° to 100° C divisions
Electrode connector	Teflon insulated BNC
Maximum electrode distance	100 ft. nominal
Power required	6 AA 1.5V batteries
Battery life	500 Hours
Display	4.5" taut band meter
Accuracy	.10 when within 2 pH of a buffer
Range	0-14 pH in 0.1 divisions
Size	8"H X 9"W X 3"D
Weight	3 lbs
Electrode Selector	Off, pH, ORP mv, Battery Check

Sensors	
80417	pH submersion sensor