

CD110 pH/mV Portable Meter



The CD110 is a microprocessor based instrument and is designed for convenience, capable of allowing one-hand operation. Each has a large custom dual LCD for clear and easy reading. It is a unique and intelligent instrument that has the capability to cater to the preferences of the discerning individual.

This meter has many user-friendly features – all of which are completely accessible through the splash-proof membrane keypad.

The CD110 which measures pH, Temperature, millivolt (mV) and relative millivolt (Rel mV). It has many advanced features and allows you to customise the meter settings. It also has a RS232C port that allows the meter to be connected to a computer or a printer via a cable for transferring data.

Key Features & Benefits

5-point Push-Button Calibration with Auto-Buffer Recognition	for quick calibration with no calibration mistakes
Choice of pH Buffer sets	USA, NIST, DIN or Low Ionic to cater wider applications
Automatic Temperature Compensation	for the highest accuracy under fluctuating temperatures
Stores/ Recalls up to 100 Data Sets	with temperature readings
Recall Electrode Slope, Electrode Offset Value and Previous Calibration Values	for easy reference
Stability Indicator	prompts whenever reading stabilizes
Hold Function	momentarily freeze reading for easy viewing and recording
Auto-Power Off	conserves battery power and save money
Self-Diagnostic	with message codes for easy troubleshooting
RS232 output	Can be connected up to a PC or Printer

APPLICATIONS

Markets for pH application are diverse. Daily measurements of pH are performed in various field locations and laboratories. Among the major applications are:

- Agriculture, gardening
- Aquarium, fish farming
- Boilers and water heaters
- Brewing industry
- Beverage industry
- Chemical industry
- Cooling and boiler water
- Corrosion protection
- Disinfectant analysis
- Electroplating, metal processing
- Environmental protection
- Food processing industry
- Laboratories
- Photographic laboratories
- Printing and colour separation process
- Schools, education
- Textile industry
- Waste disposal, recycling process
- Waste water, sewage treatment
- Wood and pulp industry

Specification

pH Range	-2.00 to 16.00 pH
Resolution & Accuracy	0.01 & ± 0.01 pH
mV Range	± 199.9 mV (extended) & ± 1999 mV
Temperature Range	-10.0 to 110.0 °C (14.0 to 230 °F)
Resolution & Accuracy	0.1 °C, 0.1°F (14 to 199.9) or 1.0°F (200 to 230) & ± 0.5 °C (± 0.9 °C)
Temperature Compensation	Automatic / Manual (0 to 100 °C)
No. of Calibration Points	Up to 5 points
pH Buffer Options	USA, NIST, DIN, Low Ionic
Auto-Hold	Yes
Memory	100 data sets
Output	Yes (RS232)
pH Slope & Offset Display	Yes
Special Functions	Stability Indicator; Self-diagnostic; Hold & Auto-Power Off after 20 minutes

Ordering Information

Code	Ref	Description
80-3003-54	CD110C	CD110 Portable pH/mV Meter with pH Electrode, Temperature Probe, buffer solution, carrying case & instruction manual

For Spares and electrodes – Please refer to our Electrochemistry Ordering Guide.

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