

## pH/mV/°C Meters with “Ready” Function and Dual-level LCD



These bench top meters measure pH and temperature as well as ISE and ORP in the mV range. is also equipped with an RS 232 port.

The auto-instruction feature guides the user step-by-step through the calibration procedure with graphic symbols.

- Dual-level LCD with graphic symbols
- READY function
- User-friendly front label
- Calibration at the NBS (NIST) buffers of 6.86 and 9.18

Unlike conventional pH meters that offer only the standard buffers of 4.01, 7.01 and 10.01, these meters also allow calibration at the important NBS (NIST) buffers of 6.86 and 9.18.

Since the electrode requires a certain amount of time to stabilize between buffers, the meter will not display the READY symbol until the electrode has stabilized. With the READY feature, you are assured of your calibration being correct which means all your subsequent measurements are accurate too.

The powerful software of this meter allows calibration with any of the 5 memorized buffers. It is also possible to calibrate the slope (second point of calibration) using any of the remaining buffers.

A large LCD displays pH/mV and temperature at the same time together with graphic symbols.

The meter will not allow calibration until the electrode has stabilized to ensure accurate pH measurements.

Graphically-designed and appealing label contains abridged instructions to use the meter.

This meter is supplied with glass-body combination refillable pH electrode with BNC and 1 m (3.3 ft) cable, temperature probe, electrode holder, pH 4.01 and 7.01 buffer solution, electrolyte solution, 12 VDC adapter and dust cover.

### Specifications

#### Range:

pH	0.00 to 14.00
mV	±399.9 (ISE); ±1999 (ORP)
°C	0.0° to 100.0°

#### Resolution:

pH	0.01
mV	0.1 (ISE); 1 (ORP)
°C	0.1°

#### Accuracy at 20°C/68°F:

pH	±0.01
mV	±0.2 (ISE); ±1 (ORP)
°C	±0.5°

#### Typical EMC Deviation:

pH	±0.03/±0.02
mV	±0.5 (ISE); ±1 (ORP)
°C	±0.2°

**pH Calibration** Automatic 1 or 2 points with 5 memorized buffers (4.01, 6.86, 7.01, 9.18, 10.01)

**Temperature Compensation** Automatic or manual from 0° to 100°C (32° to 212°F)

**Electrode** glass body combination refillable pH electrode BNC and 1 m (3.3 ft) cable included

**Temperature Probe** with 1 m (3.3 ft) screened cable included

**Input Impedance** 10<sup>12</sup> Ω

**Power Supply** 12 VDC adapter, included

**Environment** 0° to 50°C (32° to 122°F); RH 95%

**Dimensions, H x W x D** 70 x 230 x 170 mm (2.7 x 9.1 x 6.7 in)

**Weight** 1.3 kg (2.9 lb); kit with holder: 3.2 kg (7 lb)

### Catalog No.

### Product

CGS 8578.78	pH/mV/°C Meter
CGS 8579.78	pH/mV/°C Meter with RS 232 Port
CGS 8580.78	Combination pH Electrode
CGS 8581.78	pH 4.01 Buffer Solution, 460 ml
CGS 8582.78	pH 6.86 Buffer Solution, 460 ml
CGS 8583.78	pH 7.01 Buffer Solution, 460 ml
CGS 8584.78	pH 9.18 Buffer Solution, 460 ml
CGS 8585.78	pH 10.01 Buffer Solution, 460 ml
CGS 8586.78	Calibration Kit, pH 4 and 7, 20 ml, 5 pcs each
CGS 8587.78	Storage Solution, 460 ml
CGS 8588.78	3.5 M KCl+AgCl Electrolyte Solution, 4 x 30 ml
CGS 8589.78	110 VAC to 12 VDC Adapter
CGS 8590.78	220 VAC to 12 VDC Adapter
CGS 8591.78	Electrode Holder
CGS 8592.78	Temperature Probe
CGS 8593.78	pH and ORP Electrode Simulator
CGS 8594.78	pH and ORP Electrode Simulator
CGS 8595.78	Software for Data Transfer to PC
CGS 8596.78	Connection Cable, 9-pin