

## Waterproof Meters



These are microprocessor-based pH meters in waterproof casings. They measure both pH and °C as well as ion concentration and ORP in the mV range.

Both meters are housed in rugged, waterproof, ABS casings that are built to last. The Auto-Instruction feature guides the user step-by-step through the calibration process with graphic symbols. Unlike conventional microprocessor pH meters that offer only the standard pH buffer solutions of 4.01, 7.01 and 10.01 for calibration, these meters also allow calibration at the important NBS (NIST) buffers of 6.86 and 9.18. Because the electrode requires a certain amount of time to stabilize between buffers, the meter will display the READY symbol only when the electrode has stabilized.

The powerful software of these meters will allow 1 or 2 point calibration using any of the 5 memorized buffers. This is an important feature in field measurements, since if you end up with access to only one pH buffer, you can always perform the calibration in at least one point. Both meters also feature a user-selectable automatic shut-off to save battery life.

The ABS housing provides the instrument with optimum protection from harmful environments.

A dual level LCD displays pH (or mV) and temperature at the same time. Graphic symbols guide the user through the calibration process.

To ensure your subsequent measurements are accurate, these meters will only allow calibration when the electrode has stabilized.

These meters are supplied complete with double-junction pH electrode with BNC and 1 m (3.3 ft) cable, temperature probe with 1 m (3.3 ft) cable, 4 x 1.5 V AA batteries, pH 4 and 7 buffers in a rugged case.

- The most popular waterproof meters on the market
- Both meters are housed in rugged, waterproof, ABS casings that are built to last
- READY function which will display only when the electrode has stabilized
- Dual level display with graphic symbols

### Specifications

Meter	AH 72-1939	AH 72-1940
<b>Range:</b>		
pH	0.00 to 14.00	0.00 to 14.00
mV	-----	±399.9 (ISE); ±1999 (ORP)
°C	0.0 to 100.0	0.0 to 100.0
<b>Resolution:</b>		
pH	0.01	0.01
mV	-----	0.1 (ISE); 1 (ORP)
°C	0.1	0.1
<b>Accuracy at 20°C/68°F:</b>		
pH	±0.01	±0.01
mV	-----	±0.2 (ISE); ±1 (ORP)
°C	±0.5	±0.5
<b>Typical EMC pH</b>	±0.01	±0.01
<b>Deviation:</b>		
mV	-----	±0.3 (ISE); ±1 (ORP)
°C	±0.1	±0.1
<b>pH Calibration</b>	Automatic with 5 memorized standard buffers (pH 4.01, 6.86, 7.01, 9.18 or 10.01)	
<b>Offset Calibration</b>	±1 pH	
<b>Slope Calibration</b>	From 70 to 108%	
<b>Temperature Compensation</b>	Automatic or manual from 0° to 100°C (32° to 212°F)	
<b>Electrode</b>	combination gel-filled double-junction pH electrode with BNC and 1 m (3.3 ft) cable, included	
<b>Temperature Probe</b>	with 1 m (3.3 ft) screened cable, included	
<b>Input Impedance</b>	10 <sup>12</sup> Ω	
<b>Battery Type/Life</b>	4 x 1.5 V AA / 400 hrs approx., continuous use, user-selectable auto-off after 10 min of non-use	
<b>Environment</b>	0° to 50°C (32° to 122°F); RH 100%	
<b>Meter Dimensions, H x W x D</b>	60 x 80 x 196 mm (2.4 x 3.1 x 7.7 in)	
<b>Weight</b>	425 g (15 oz); Kit: 1.3 kg (3.0 lb)	

### Catalog No.

### Product

CGS 8549.78	Waterproof pH and °C Meter
CGS 8550.78	Waterproof pH, mV, and °C Meter
CGS 8551.78	pH 4.01 Buffer Solution, 460 ml
CGS 8552.78	pH 6.86 Buffer Solution, 460 ml
CGS 8553.78	pH 7.01 Buffer Solution, 460 ml
CGS 8554.78	pH 9.18 Buffer Solution, 460 ml
CGS 8555.78	pH 10.01 Buffer Solution, 460 ml
CGS 8556.78	Storage Solution, 460 ml
CGS 8557.78	Calibration Kit, pH 4 and 7, 20 ml, 5 pcs each
CGS 8558.78	Electrode Holder
CGS 8559.78	Combination pH Electrode
CGS 8560.78	Temperature Probe
CGS 8561.78	pH and ORP Electrode Simulator
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