

Waterproof pH/mV/°C Meters with RS 232 and GLP



These meters are top-of-the-line portable pH meters. They come in a state-of-the-art waterproof housing with RS232 downloading capabilities and meeting the GLP (Good Laboratory Practice) prerequisites. The calibration date (month, day and year) and data (offset and 2 slope values) are stored into nonvolatile memory and can be easily retrieved by the operator. Erroneous and inaccurate measurements due to a non-calibrated unit can be avoided with the last calibration data recall function.

- Good laboratory practice
- IP 67 classified
- PC connection

These meters can be connected to a PC through the RS232 port. In addition, with the Windows® compatible application software, you can log the pH, °C and mV with date and time.

These meters are easy to use and simplify the task of frequent and repetitive monitoring, hence freeing staff for other tasks. Moreover, data can be stored or elaborated by the most common spread sheet programs (for graphs, statistical analyses, etc.).

Last calibration data is automatically stored in memory and users can check date, time, offset and 2 slope values at any time by simply pressing a button.

These meters comply with IP67 standards, which means they are completely dust-tight and protected even against the effects of temporary immersion in water.

Both meters are equipped with a 5-pin RS232, making it possible to link them to a PC or data logger for further elaboration through popular spread sheet programs.

These meters are supplied with combination, gel-filled, double-junction pH electrode with BNC and 1 m (3.3 ft) cable, temperature probe with 1 m (3.3 ft) screened cable, 12 VDC power adapter, pH 4.01, pH 7.01 and cleaning solutions, 20 ml each, 4 x 1.5 V AA batteries in a rugged carrying case.

Specification

| Meter | CGS8563.35 | CGS8564.35 |
|-----------------------|--|---|
| Range: | | |
| pH | 0.00 to 14.00 | 0.00 to 14.00 |
| mV | — | 0.0 to ±399.9 (ISE) ±400 to ±1600 (ORP) |
| °C | 0.0 to 100.0 | 0.0 to 100.0 |
| Resolution | 0.01 pH / 0.1°C | 0.01 pH / 0.1 mV (ISE); 1 mV (ORP) / 0.1°C |
| Accuracy | ±0.01 pH / ±0.5°C | ±0.01 pH / ±0.2 mV (ISE); ±1 mV (ORP) / ±0.5°C |
| Typical EMC Deviation | ±0.01 pH / ±0.5°C | ±0.01 pH / ±1 mV / ±0.5°C |
| pH Calibration | Automatic 1, 2 or 3 point with 5 memorized buffers (pH 4.01, 6.86, 7.01, 9.18 or 10.01) | |
| Offset Calibration | ±1 pH | |
| Slope Calibration | From 80 to 110% | |
| Temperature | Automatic with from 0° to 100°C (32° to 212°F) Compensation or manual without temperature probe | |
| Electrode | combination, gel-filled, double-junction pH electrode with BNC & 1 m (3.3 ft) cable, included | |
| Temperature Probe | with 1 m (3.3 ft) screened cable, included | |
| Input Impedance | 10 ¹² Ω | |
| Computer Interface | 5-pin RS232 connector | |
| Power Supply | 4 x 1.5 V AA batteries / 150 hours approx., continuous use power socket for 12 VDC | |
| Environment | 0° to 50°C (32° to 122°F); RH 100% | |
| Dimensions, H x W x D | 60 x 80 x 196 mm (2.4 x 3.1 x 7.7 in) | |
| Weight | 500 g (18 oz) | |

Catalog No.

Product

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|-------------|--|
| CGS 8563.78 | Waterproof pH and °C Meter with RS 232 and GLP |
| CGS 8564.78 | kit with Windows® compatible applications software and PC connection cable |
| CGS 8565.78 | Waterproof pH/mV/°C Meter with RS 232 and GLP |
| CGS 8566.78 | kit with Windows® compatible applications software, PC connection cable, platinum, gel-filled and plastic-body ORP electrode with 1 m (3.3 ft) cable |
| CGS 8567.78 | pH 4.01 Buffer Solution, 460 ml |
| CGS 8568.78 | pH 7.01 Buffer Solution, 460 ml |
| CGS 8569.78 | pH 10.01 Buffer Solution, 460 ml |
| CGS 8570.78 | Storage Solution, 460 ml |
| CGS 8571.78 | Calibration Kit, pH 4 and 7, 20 ml, 5 pcs. each |
| CGS 8572.78 | Temperature Probe |
| CGS 8573.78 | Windows® Compatible Software |
| CGS 8574.78 | 5 to 9-pin RS232 Connection Cable |
| CGS 8575.78 | Adapter from 110 VAC to 12 VDC |
| CGS 8576.78 | Adapter from 220 VAC to 12 VDC |
| CGS 8577.78 | Platinum Gel Filled and Plastic Body ORP Electrode with 1 m (3.3 ft) Cable |