pH/ORP Meter with Real-Time Data Logger



- LCD with Green Light Backlighting
- ✓ 0 to 14 pH or ±1999 mV for ORP Measurement
- Real Time SD Memory Card Data Logger (SD Card Included)
- ✓ Automatic Buffer Calibration (Buffers Sold Separately)
- RS232/USB Interface (Optional Cable)
- Automatic Temperature Compensation (Optional Probe)

The Omega[™] PHH-SD1 is innovative and easy to operate. What sets the PHH-SD1 apart from other pH/ORP meters is that it incorporates a real-time SD card data logger. The PHH-SD1 measures pH or mV (ORP) using standard electrodes with BNC connectors. Download data from the SD card directly into an Excel spreadsheet. This allows the user to do further data or graphical analysis without special software. The PHH-SD1 has a wide variety of applications from water conditioning, aquariums, beverage manufacturing and fish hatcheries to food processing, photography, paper and plating industries, educational and other laboratories.

Specifications

Display: 52 x 38 mm (2.04 x 1.5") LCD with switchable green backlight Measurement: 0 to 14 pH or -1999 mV to 1999 mV (ORP) Sampling Time: Auto: 1 second to 8 hrs 59 min 59 sec Manual: Push the data logger button once will save data one time Memory Card: SD memory card Temperature Compensation: Automatic (with optional temperature probe) or manual Display Update: At 1 second Data Output (RS232/USB): With optional cable/software Operating Temperature: 0 to 50°C (32 to 122°F) Operating Humidity: Less than 85% RH Power: 6 "AAA" alkaline batteries (included), or 9V power adaptor (optional) Current Draw: 14 mA DC (without SD card or backlight), 49 mA (all functions) Weight: 489 g (1.08 lb) **Dimensions:** 177 H x 68 W x 45 mm D (6.96 x 2.67 x 1.77") Input Impedance: 10¹² Ω Manual Temperature Compensation: Pushbutton on front panel Automatic: With the optional temperature measurement probe from 0 to 65°C (32 to 149°F) Calibration: pH4, pH7, and pH10, 3 points calibration provides the best linearity and accuracy

Measurement	Range	Resolution	Accuracy
pH*	0 to 14 pH	0.01 pH	± (0.02 pH + 2 d)
mV (ORP)	0 to 1999 mV	1 mV	± (0.5% + 2 d)

* pH accuracy is based on calibrated meter only.



PHH-SD1, pH/ORP meter with real-time data logger (electrode sold separately).

To Order

PHH-SD1 includes manual,

carrying case, batteries,

and 2 GB SD card.

Model No.	Description		
PHH-SD1	Data logging pH/ORP meter with SD card		
PHE-1304	Standard pH laboratory electrode		
ORE-1311	Standard ORP laboratory electrode		
SW-U101-WIN	Software for data logging from meters, with USB and RS232 cables		
HC-SD	Replacement hard case		
SC-SD	Soft case		
ADAPTER-SD	AC adaptor		
USB-SD	Spare USB cable (SW-U101-WIN software required)		
RS232-SD	Spare RS232 cable (SW-U101-WIN software required)		
2GB-SD	Spare 2 GB SD memory card		
PHA-4	Calibration buffer solution pH 4		
PHA-7	Calibration buffer solution pH 7		
PHA-10	Calibration buffer solution pH 10		
HHWT-SD1-ATC	Temperature probe		

Comes complete with operator's manual, hard carrying case, 2 GB SD card, and 6 "AAA" batteries. Electrodes are sold separately. **Ordering Example: PHH-SD1**, data logging pH/ORP meter with 2 GB SD card, and **PHE-1304** pH electrode.