

# pH 300 and pH 310 Meters

Highly advanced microprocessor-based pH meters with a superior waterproof housing...and they FLOAT!

Durable waterproof and dustproof design with IP67 rating

Ideal for dirty, wet environments or food-related applications

Store and recall pH with temperature readings

Push-button pH calibration at five points – 1.68, 4.01, 7.01, 10.01, and 12.45

Automatic buffer recognition

Selectable manual or automatic temperature compensation (ATC) – For the highest accuracy in any situation

Advanced setup mode – Lets you customize meter to your application

Hold, Ready indicator, and Automatic shutoff functions

Available as a complete field calibration kit, most convenient option

## pH 310 also features:

**Built-in real-time clock** – Stamps stored data and calibration data with date and time—meets standards for GLP (Good Laboratory Practices)

**Expanded memory** – Stores and recalls up to 50 readings with temperature

°C/°F selection

**Automatic endpoint** – Automatically freezes reading when stable

Selectable buffer sets for USA, NIST, and DIN buffers



Waterproof meters float if accidentally dropped into water.



ISO9001:2000  
CERTIFIED SUPPLIER

3 year  
warranty  
meter only

## Specifications

	Model	pH 300 meter	pH 310 meter
Range	pH	–2.00 to 16.00 pH	–2.00 to 16.00 pH
	mV	±2000 mV	±2000 mV
	Temperature	0.0 to 100.0°C	0.0 to 100.0°C; 32.0 to 212.0°F (selectable)
Resolution	pH	0.01 pH	0.01 pH
	mV	0.1 mV ±199.9 mV, 1 mV beyond ±199.9 mV	0.1 mV ±199.9 mV, mV beyond ±199.9 mV
	Temperature	0.1°C	0.1°C; 0.1°F
Accuracy	pH	±0.01 pH	±0.01 pH
	mV	±0.2 mV ±199.9 mV, ±2 mV beyond ±199.9 mV	±0.2 mV ±199.9 mV, ±2 mV beyond ±199.9 mV
	Temperature	±0.5°C	±0.5°C; ±0.5°F ±2 mV beyond ±199.9 mV
Calibration	pH	Up to 5 buffer values: 1.68, 4.01, 7.01, 10.01, 12.45	Up to 6 buffer values (select from 3 sets): USA: 1.68, 4.01, 7.01, 10.00, 12.45 NIST: 1.68, 4.01, 6.86, 9.18, 12.45 DIN: 1.09, 2.06, 4.65, 6.79, 9.23, 12.75
	mV	Offset up to ±150 mV	Offset up to ±150 mV
	Temperature	Offset 0.1°C increments	Offset 0.1°C or 0.1°F increments
Memory		Up to 16 sets	Up to 50 sets with date and time
Real-time clock		None	Time-and-date stamp on calibration and stored data

**Temperature compensation:** automatic or manual (selectable) from 0 to 100°C

**Ambient operating temperature:** 0 to 50°C (32 to 122°F)

**Power:** four 1.5 V AAA batteries (included), >100 hours continuous use

## Dimensions

**Meter:** 7½" L x 3¼" W x 2¼" H (19 x 9.5 x 5.7 cm)

**Boxed:** 9½" L x 9½" W x 2¼" H (23 x 23 x 7 cm)

## Weight

**Meter:** 1 lb (0.5 kg); **Boxed:** 2 lb (0.9 kg)

## Ordering Information

Catalog number	Description	Included
WD-35618-02	pH 300 meter only	Meter and batteries
WD-35618-12	pH 310 meter only	Meter and batteries
WD-35618-03	pH 300 meter with probe	Meter, "All-in-One" probe 35808-71, and batteries
WD-35618-13	pH 310 meter with probe	Meter, "All-in-One" probe 35808-71, and batteries
WD-35618-70	pH 300 meter kit	Meter, "All-in-One" probe, pH buffer calibration pouches (five each of 4.01, 7.00, 10.00, and rinse water), sample bottles, two electrode holders, batteries, and hard carrying case
WD-35618-72	pH 310 meter kit	Meter, "All-in-One" probe, pH buffer calibration pouches (five each of 4.01, 7.00, 10.00, and rinse water), sample bottles, two electrode holders, batteries, and hard carrying case

**WD-35808-71 Replacement "All-in-One" pH/temperature probe**, single junction, epoxy body

**WD-35808-72 "All-in-One" pH/temperature probe**, double junction, epoxy body

**WD-35614-79 Calibration kit** includes pH buffer pouches (five each of 4.01, 7.00, 10.00, and rinse water), squeeze bottle, and hard carrying case. (Meter not included)



Aquaculture



Environmental  
Testing