

## Oakton® Waterproof pH/CON and pH/DO 650 Meters

### Get more features for your money

- Top-of-the-line dual-parameter meters offer features typically found on much more expensive models
- Simultaneously measure your choice of pH, mV, or ISE and conductivity or dissolved oxygen
- Log up to 500 data points with GLP compliance
- Wireless IrDA communication for truly waterproof interfacing capabilities

These 650 meters feature user-selectable “calibration due” alarms, automatic or manual standards recognition, and single or multiple calibration points—providing flexibility in meeting your quality objectives. The large backlit LCD shows the measured value, measured units, temperature, time, battery life, and menu options. Infrared (IrDA) wireless technology lets you easily download data without any cables.

Both PC 650 and PD 650 meters measure pH and ISE with a 0.001 maximum resolution. The PC 650 also measures conductivity, TDS, salinity, or resistivity using either a 2- or 4-electrode conductivity cell. The PD 650 also measures oxygen saturation and concentration using a galvanic dissolved oxygen probe.

**Meters include:** data management software, probe holder, and batteries.

**PC 650 meter with probes adds:** a double-junction pH electrode and a 4-electrode (K = 0.3) conductivity cell.

**PC 650 meter kit further adds:** pH buffer solutions, conductivity standards, protective rubber boot, and hard carrying case.

**PD 650 meter with probes adds:** a double-junction pH electrode and a dissolved oxygen probe with 25-ft cable.

**PD 650 meter kit further adds:** pH buffer solutions, electrolyte solution, protective rubber boot, and hard carrying case.



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### Specifications

Model	PC 650 meter	PD 650 meter	
Range	pH	-2.000 to 20.000	-2.000 to 20.000
	mV	±2000	±2000
	ISE	0.001 to 19,900 ppm, molar, or mg/L	—
	Conductivity	0 to 500 mS/cm	—
	TDS	0 to 500 ppt (TDS factor dependent)	—
	Salinity	80.00 ppt	—
	Resistivity	0 to 20.000 MΩ	—
	Dissolved oxygen	—	0 to 600%/ 90 mg/L
	Barometric pressure	—	450 to 825 mm Hg
	Temperature	14 to 230°F (-10 to 110°C)	14 to 230°F (-10 to 110°C)
Resolution	pH	0.1/0.01/0.001	0.1/0.01/0.001
	mV	0.1	0.1
	ISE	2 or 3 digits	2 or 3 digits
	Conductivity	0.05% full-scale	—
	TDS	0.05% full-scale	—
	Salinity	0.05% full-scale	—
	Resistivity	0.05% full-scale	—
	Dissolved oxygen	—	0.1%, 0.01 mg/L
	Barometric pressure	—	0.1 mm Hg (0.1 kPa)
	Temperature	0.1°F (0.1°C)	0.1°F (0.1°C)
Accuracy	pH	±0.002	±0.002
	mV	±0.2	±0.2
	ISE	0.5% FS (monovalent); 1% FS (divalent)	0.5% FS (monovalent); 1% FS (divalent)
	Conductivity	±1% full-scale	—
	TDS	±1% full-scale	—
	Salinity	±1% full-scale	—
	Resistivity	±1% full-scale	—
	Dissolved oxygen	—	±2%, ±0.2 mg/L
	Barometric pressure	—	±1%
	Temperature	±0.9°F (±0.5°C)	±0.9°F (±0.5°C)
Temperature compensation	Automatic or manual, 0 to 100°C		
Conductivity temp compensation	Linear and pure	—	
pH calibration	Up to 6 points	Up to 6 points	
pH buffer recognition	USA: 1.68, 4.01, 7.00, 10.01, 12.45; NIST: 1.68, 4.01, 6.86, 9.18, 12.45; DIN: 1.09, 3.06, 4.65, 6.79, 9.23, 12.75, PWB: 4.10, 6.97		
Conductivity standard recognition	Automatic, manual, single or multipoint		
Temperature coefficient	0 to 10.0%/°C		
Conductivity-to-TDS factor	0.4 to 1.0		
Dissolved oxygen salinity correction	—		
Data logging	500 data sets with GLP		
Output	IrDA/ RS-232 (via LED)		
Power	Four AA batteries (included) or optional universal AC adapter		

Model	Description	Catalog number	Price
<b>Meters</b>			
PC 650	Meter only	<a href="#">GH-35431-02</a>	
	Meter with probes	<a href="#">GH-35431-00</a>	
	Meter kit	<a href="#">GH-35431-70</a>	
PD 650	Meter only	<a href="#">GH-35432-02</a>	
	Meter with probes	<a href="#">GH-35432-00</a>	
	Meter kit	<a href="#">GH-35432-70</a>	
<b>Precalibrated meters</b>			
PC 650	Meter only	<a href="#">GH-35431-03</a>	
	Meter with probes	<a href="#">GH-35431-01</a>	
	Meter kit	<a href="#">GH-35431-71</a>	
PD 650	Meter only	<a href="#">GH-35432-03</a>	
	Meter with probes	<a href="#">GH-35432-01</a>	
	Meter kit	<a href="#">GH-35432-71</a>	

**GH-35816-77 pH electrode;** double junction, epoxy body, 10-ft (3-m) cable with BNC connector

**GH-35805-23 Submersible pH electrode;** single-junction, ABS plastic housing, BNC connector, 10-ft (3-m) cable

**GH-35418-05 ATC probe.** Use for temperature compensation with any pH electrode without built-in ATC

**GH-35408-50 Conductivity cell,** 2-electrode, K = 0.1, 10-ft (3-m) cable

**GH-35408-52 Conductivity cell,** 2-electrode, K = 1, 10-ft (3-m) cable

**GH-35640-50 DO probe** with 10-ft cable

**GH-35640-52 DO probe** with 25-ft cable

**GH-35640-54 DO probe** with 50-ft cable

**GH-35640-56 DO probe** with 100-ft cable

**GH-35640-80 Membrane kit;** two membrane caps and one bottle of electrolyte solution

**GH-35418-83 Adapter,** 110/220 VAC

**GH-09376-01 Replacement batteries;** AA, Pk/4

**GH-17106-20 NIST-traceable calibration** for pH meter

**GH-17090-30 NIST-traceable calibration** for conductivity meter

**GH-17106-04 NIST-traceable calibration** for DO meter