

Oakton® Benchtop PC 700 and PC 2700 Meters

Get all the readings you need in one compact unit

- Economical PC 700 for basic pH and conductivity laboratory use
- Advanced PC 2700 for research grade pH and conductivity use with ion capability

PC 700 Meter features pH auto-buffer recognition for both USA and NIST buffer sets, automatic or manual temperature compensation, and selectable temperature units. Previous calibration points, electrode slope and offset, and conductivity/TDS cell constants are stored in memory for quick and easy retrieval. Store up to 100 data sets in the meter's memory for retrieval later.

PC 2700 Meter meets GLP requirements—meter stamps all calibration and stored data with time/date. Nonvolatile memory stores up to 500 data sets to simplify documenting large volumes of pH, mV, ISE, conductivity, TDS, salinity, or resistivity measurements. Data is easily exported to a computer via RS-232 port. Order RS-232 and optional RS-232-to-USB adapter separately below.

Meter only includes: universal 110/240 VAC power supply and electrode stand.

Meter with probes adds: combination pH electrode 35805-04 and conductivity/temperature probe 35608-74 (PC 700) or 35412-10 (PC 2700).

OAKTON®



Advanced features
on PC 2700 for
GLP compliance

ISO9001:2008
CERTIFIED SUPPLIER

CE Meter only

Specifications

Model		PC 700	PC 2700
Range	pH	-2.00 to 16.00	-2.000 to 20.000
	mV/Rel mV	±2000	±2000.0
	ISE	—	0.001 to 19999 ppm
	Conductivity	0.0 µS to 200 mS	0.050 µS to 500.0 mS
	TDS	0.00 ppm to 100.0 ppt @ 0.5 factor (200.0 ppt @ 1.0 factor)	0.050 to 500.0 ppt
	Salinity	—	0.0 to 80.0 ppt
	Resistivity	—	2.000 Ω to 20.0 MΩ
	Temperature	32.0 to 212°F (0.0 to 100.0°C)	32.0 to 212°F (0.0 to 100.0°C)
Resolution	pH	0.01 pH	0.001, 0.01, 0.1 pH
	mV/Rel mV	0.1 within ±199.9 mV, 1 beyond ±199.9 mV	0.1 mV
	ISE	—	2 or 3 digits
	Conductivity	0.01, 0.1, 1 µS; 0.01, 0.1 mS	0.01, 0.1 µS; 0.001, 0.01, 0.1 mS
	TDS	0.01, 0.1, 1 ppm; 0.01 0.1 ppt	0.01, 0.1 ppm; 0.001, 0.01, 0.1 ppt
	Salinity	—	0.1 ppt
	Resistivity	—	0.01 mΩ, 0.001, 0.01 kΩ, 0.01, 0.1 Ω
	Temperature	0.1°F or °C	0.1°F or °C
Accuracy	pH	±0.01 pH	±0.002 pH
	mV/Rel mV	±0.2 within ±199.9 mV, ±2 beyond 199.9 mV	±0.2 mV
	ISE	—	0.5% full scale (monovalent), 1% full scale (divalent)
	Conductivity	±1% full-scale	±1% full-scale
	TDS	±1% full-scale	±1% full-scale
	Salinity	—	±1% full-scale
	Resistivity	—	±1% full-scale
	Temperature	±0.9°F (±0.5°C)	±0.5°F (±0.3°C)
Calibration	pH	Up to 5 points (USA or NIST buffer sets)	Up to 6 (USA, NIST, DIN, or custom buffer sets)
	ISE	—	Up to 8 points
	Conductivity/TDS	5 points (one point per range)	5 points (one point per range)
		Automatic or manual	Automatic or manual
Temperature compensation		Fixed at K = 1.0 cm ⁻¹	
Conductivity cell constant		Adjustable from 0.4 to 1.0	
Conductivity-to-TDS factor		—	
Data logging		100 data sets	500 data sets
Output		—	RS-232
Power		110/240 VAC universal adapter	110/240 VAC universal adapter

Model	Description	Meters		Precalibrated meters	
		Catalog number	Price	Catalog number	Price
PC 700	Meter only	GH-35413-20		GH-35413-21	
	Meter with pH and conductivity/temperature probes	GH-35413-00		GH-35413-01	
PC 2700	Meter only	GH-35414-20		GH-35414-21	
	Meter with pH and conductivity/temperature probes	GH-35414-00		GH-35414-01	

Accessories

GH-35805-04 Replacement combination pH electrode; double-junction, glass body, refillable, 3.3-ft (1-m) cable
GH-35608-74 Replacement conductivity/temperature probe for 700-series meter; 2-cell, K = 1.0, Ultem®/stainless steel with ATC
GH-35412-10 Replacement conductivity/temperature probe for 2700-series meter; 4-cell, K = 1.0, epoxy/graphite

GH-35420-01 RS-232 cable for 2700-series meter
GH-35630-53 USB cable for 2700-series meter
GH-17106-20 NIST-traceable calibration with data for pH meters
GH-17090-30 NIST-traceable calibration with data for conductivity meters