

Oakton® Benchtop PC 700 and PC 2700 Meters

Get all the readings you need in one compact unit

- Economical PC 700 for basic laboratory use
- Advanced PC 2700 for research grade 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).



Advanced features on PC 2700 for GLP compliance



Meter only

Model	PC 700		PC 2700		
	Description	Meter only	Meter with pH and conductivity/temperature probes	Meter only	Meter with pH and conductivity/temperature probes
Catalog number		GY-35413-20	GY-35413-00	GY-35414-20	GY-35414-00
Precalibrated catalog number		GY-35413-21	GY-35413-01	GY-35414-21	GY-35414-01
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)	
Temperature compensation	Automatic or manual		Automatic or manual		
Conductivity cell constant	Fixed at K = 1.0 cm ⁻¹		Fixed at K = 1.0 cm ⁻¹		
Conductivity-to-TDS factor	Adjustable from 0.4 to 1.0		Adjustable from 0.4 to 1.0		
Data logging	100 data sets		500 data sets		
Output	—		RS-232		
Power	110/240 VAC universal adapter		110/240 VAC universal adapter		
Price					
Precalibrated price					

[GY-35805-04](#) Replacement combination pH electrode; double-junction, glass body, refillable, 3.3-ft (1-m) cable

[GY-35608-74](#) Replacement conductivity/temperature probe for 700-series meter; 2-cell, K = 1.0, Ultem®/stainless steel with ATC

[GY-35412-10](#) Replacement conductivity/temperature probe for 2700-series meter; 4-cell, K = 1.0, epoxy/graphite

[GY-35420-01](#) RS-232 cable for 2700-series meter

[GY-22050-58](#) RS-232 to USB adapter (requires 35420-01 cable)

[GY-17106-20](#) NIST-traceable calibration with data for pH meter

[GY-17090-30](#) NIST-traceable calibration with data for conductivity meters



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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

