

Oakton® Advanced Benchtop pH 2700 and pH/Ion 2700 Meters

Don't be out of compliance—meets GLP requirements!

- All calibration and stored data is stamped with time and date!
- Oversize, informative display shows all readings and measurement stability indicator
- Be more accurate—high 0.001 pH resolution with ± 0.002 pH accuracy
- Store and recall up to 500 sets of data—send data to a computer via the RS-232 port
- Meters automatically calculate and display electrode slope and offset—ideal for checking electrode quality
- Data logging intervals can be programmed into the meter for convenient continuous monitoring
- Programmable limit alarm alerts you when readings fall out of range
- Calibrate up to 6 points for pH using USA, NIST, DIN, or custom buffer sets
- Ion 2700 meter adds up to 8-point calibration for ISE measurement
- Prevent changes to meter setup and calibration with optional password protection
- View readings under dim conditions with bright backlight
- Informative display shows pH, Ion, Redox measurements together with temperature, electrode status, cal points, time and date all at once!
- Cal-due alarm lets you know when recalibration is necessary for measurement accuracy
- Visual stability indicator informs you when measurements have stabilized, eliminating guesswork
- Comprehensive self-diagnostics make troubleshooting a breeze

What's included: Electrode stand and 110 / 240 VAC power adapter.

Meters with probe add: ATC probe 35613-13, pH electrode 35805-04, and 60 mL of electrode fill solution.



35420-20
pH 2700 meter



Specifications

Range	pH	-2.000 to 20.000
	mV / Rel mV	± 2000
	ISE†	0.001 to 19,999 ppm
	Temperature	32.0 to 212.0°F (0.0 to 100.0°C)
Resolution	pH	0.001 / 0.01 / 0.1
	mV / Rel mV	0.1 mV
	ISE†	2 or 3 digits
	Temperature	0.1°F or °C
Accuracy	pH	$\pm 0.002 + 1$ LSD
	mV / Rel mV	± 0.2 mV
	ISE†	$\pm 0.5\%$ of rdg (monovalent); $\pm 1\%$ of rdg (divalent)
	Temperature	$\pm 0.5^\circ\text{F}$ ($\pm 0.3^\circ\text{C}$)
Calibration	pH	Up to 6 points with autobuffer recognition
	mV / Rel mV	Up to ± 150 mV offset adjustment
	ISE†	Up to 8 concentration standards
Temperature compensation	Automatic or manual from 32 to 212°F (0 to 100°C)	
Buffer recognition	USA, NIST, DIN or custom buffer sets	
Slope control	80 to 120%	
Data logging	500 data sets with time-and-date stamp	
Output	RS-232	
Display	3¼" x 2½" (83 x 62 mm) graphic LCD, backlit	
Dimensions (L x W x H)	6½" x 6⅞" x 2¾" (155 x 175 x 69 mm)	
Power	110/240 VAC, 50/60 Hz	

†Ion 2700 models only

Model	Description	Meter		Precalibrated meter	
		Cat. no.	Price	Cat. no.	Price
pH 2700	Meter only	GY-35420-22		GY-35420-23	
pH 2700	Meter with probes	GY-35420-20		GY-35420-21	
Ion 2700	Meter only	GY-35421-02		GY-35421-03	
Ion 2700	Meter with probes	GY-35421-00		GY-35421-01	

Don't Forget...

Calibration buffer solutions

For a complete offering of calibration buffer solutions, see page 607–610.



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

GY-35811-74 "All-in-one" combination pH probe; double junction, refillable, glass body, 3.3-ft (1-m) cable

GY-35630-53 USB cable

GY-35613-13 Replacement ATC probe

GY-17106-20 NIST-traceable calibration with data for pH and ion meters



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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.

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Please contact us if this literature doesn't answer all your questions.