

## 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  $\pm 0.002$  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      | $\pm 2000$   |
|                          | ISE <sup>†</sup> | 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 <sup>†</sup> | 2 or 3 digits  |
|                          | Temperature      | 0.1°F or °C  |
| Accuracy                 | pH               | $\pm 0.002 + 1$ LSD  |
|                          | mV / Rel mV      | $\pm 0.2$ mV   |
|                          | ISE <sup>†</sup> | $\pm 0.5\%$ 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 $\pm 150$ mV offset adjustment                         |
|                          | ISE <sup>†</sup> | 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                  |                  | 3 1/4" x 2 7/16" (83 x 62 mm) graphic LCD, backlit           |
| Dimensions (L x W x H)   |                  | 6 1/8" x 6 7/8" x 2 3/4" (155 x 175 x 69 mm)                 |
| Power                    |                  | 110/240 VAC, 50/60 Hz  |

<sup>†</sup> Ion 2700 models only

| Model    | Description       | Meter                       |       | Precalibrated meter         |       |
|----------|-------------------|-----------------------------|-------|-----------------------------|-------|
|          |                   | Cat. no.                    | Price | Cat. no.                    | Price |
| pH 2700  | Meter only        | <a href="#">GH-35420-22</a> |       | <a href="#">GH-35420-23</a> |       |
| pH 2700  | Meter with probes | <a href="#">GH-35420-20</a> |       | <a href="#">GH-35420-21</a> |       |
| Ion 2700 | Meter only        | <a href="#">GH-35421-02</a> |       | <a href="#">GH-35421-03</a> |       |
| Ion 2700 | Meter with probes | <a href="#">GH-35421-00</a> |       | <a href="#">GH-35421-01</a> |       |

## Don't Forget...

### Calibration buffer solutions

For a complete offering of calibration buffer solutions, see page 518.



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

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

[GH-35630-53](#) USB cable

[GH-35613-13](#) Replacement ATC probe

[GH-17106-20](#) NIST-traceable calibration with data for pH and ion meters