



## Sension+ PH31 GLP Laboratory pH and ORP Meter with Electrode Stand, Magnetic Stirrer and Accessories with pH Electrode for General Applications

**Product #:** LPV2110T.98.002  
**AED Price:** Contact Hach

Laboratory GLP meter with universal pH and temperature electrode 5010T. For general aqueous applications.

An all in one system with guided menu navigation makes general electrochemistry testing fast and simple. Each system is designed to be used in a wide variety of applications and comes complete with everything you need to start testing.

Includes magnetic stirrer, sensor holder, solutions (pH 4, pH 7, pH 9 and KCl), calibration flasks with magnetic stirring bar and user manual.

### **Comprehensive Lab station**

Functional design with all essential accessories

### **Reproducible conditions, easy to use.**

Electrode holder and magnetic stirrer integrated (and controlled by instrument UI).

### **Low consumable demand.**

Labelled calibration flasks minimize the required buffer volume

### **Precise and cost-efficient system.**

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## Specifications

|   |   |
|---|---|
| AC Power Adapter and USB/DC Adapter:              | Yes   |
| Accuracy:   | ±1 digit  |
| Auto-buffer recognition:                          | IUPAC standards (DIN 19266) or Technical buffer (DIN 19267) |
| Backlight:  | Yes   |
| Calibration intervals/alerts/reminder:            | Reminder 1 hour to 7 days                                   |
| Compliance certifications:                        | CE.WEEE   |
| Conductivity accuracy:                            | -   |
| Conductivity measurement range:                   | -   |
| Conductivity measurement: Temperature correction: | -   |
| Conductivity resolution:                          | -   |
| Data logger:                                      | Yes   |
| Data storage:                                     | Date and time, instrument ID, sample ID                     |
| Dimensions (H x W x D):                           | 110 mm x 350 mm x 201 mm                                    |
| Display:  | 128 x 64 pixel  |

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|--|--|
| Display type:                                | Backlit Graphical LCD  |
| DO measurement range:                        | -  |
| DO resolution:                               | -  |
| DO sensor calibration:                       | -  |
| Electrode stand:                             | Yes  |
| Environmental conditions: relative humidity: | < 80 % relative humidity (non-condensing)  |
| Environmental conditions: temperature:       | 0 - 40 °C (41 - 104 °F)  |
| GLP features:                                | Yes  |
| Inputs:                                      | 1 pH/ORP; 1 Ref; 1 Temp. Pt1000; 1 Magnetic stirrer (Integrated); Printer or PC; External Keyboard |
| Interface languages:                         | English, German, French, Spanish, Italian, Portuguese  |
| Internal result storage capacity:            | 330  |
| Kit?:  | Yes  |
| Length:                                      | -  |
| Measuring range:                             | ±2000 mV   |
| Model:                                       | pH31   |
| mV measurement range:                        | ±2000 mV   |
| mV resolution:                               | 0.1 mV   |
| Operating Interface:                         | Keypad   |
| Output:                                      | RS232  |
| Parameter:                                   | pH, mV, ORP/Redox, Temperature   |
| PC data transfer software :                  | Yes, Optional  |
| pH Accuracy:                                 | ≤0.002 pH  |
| pH Electrode calibration:                    | 1 to 3 points calibration within selected buffer set or user defined buffer                        |
| pH Measurement Range:                        | -2.00 - 16.00 pH   |
| pH Resolution:                               | 0.001/0.01/0.1 pH  |
| Power:                                       | External power supply 100-240 V, 0.4 A, 47-63 Hz with plug adapters                                |
| Printer:                                     | Yes, Optional  |
| Probes included?:                            | 5010T Electrode  |
| Resistivity measurement:                     | -  |
| Resolution:                                  | ORP: 0.1 mV  |
| Result ID:                                   | Yes  |
| Salinity measurement range:                  | -  |
| Salinity resolution:                         | -  |
| Simultaneous measurements:                   | -  |
| TDS measurement range:                       | -  |
| Temperature accuracy:                        | ≤ 0.2 °C   |
| Temperature compensation:                    | Manual or Automatic  |
| Temperature measurement range:               | -20.0 - 150.0 °C (-4.0 - 302.0 °F)   |
| Temperature resolution:                      | 0.1 °C (0.1 °F)  |
| Warranty:                                    | 36 months  |
| Weight:                                      | 1100 g   |
| Width:                                       | 13,8 in  |