



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

Product #:

LPV2110T.97.002

### **OBSOLETE ITEM**

This item is no longer available.

Suggested replacements:

- HQ440D

## Hach Sension+: Fast and simple measurements

Hach Sension+ family:

**Fast results:** Provided by the right choice of quickly responding electrodes for your application, integrated laboratory systems or unique multi probes with up to 4 parameters by 1 click for field applications.

**Maximum simplicity:** Sension+ systems come complete with everything you need to start testing.

**Ease of use operation,** either with superior field usability or fully integrated laboratory set up:

Sension+ simplifies your measurement tasks!

### **Fast pH measurements**

Fast performing combined pH electrode with integrated PT1000 temperature sensor for drinking water and general aqueous samples.

### **Maximum simplicity by integrated lab systems eliminating complex testing steps.**

A guided navigation menu allows you to follow simple prompts to set up your measurements thus reducing the time necessary to start testing, and improving the accuracy of measurements.

### **Maximum simplicity: Sension+ kits come complete with everything you need to start testing.**

Sension+ laboratory kits include meter, probe, integrated probe holder, integrated stirrer, buffers and all required accessories.

### **Fast measurements for high sample volumes by lab automation option.**

PC control option (LabCom Software) and sample changer option.

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## Specifications

|  |   |
|--|---|
| AC Power Adapter and USB/DC Adapter:   | Yes   |
| Accuracy:                              | ±1 digit  |
| Automatic 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: Temperature correction: | -  |
| Conductivity Range:                               | -  |
| Conductivity resolution:                          | -  |
| Data Export:                                      | 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   |
| 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 Data Storage:                            | 330  |
| Kit?:   | Yes  |
| Length:   | -  |
| Measuring Range ORP:                              | ±2000 mV   |
| Model:  | pH31   |
| mV Measurement Range:                             | ±2000 mV   |
| mV Resolution:                                    | 0.1 mV   |
| Operating Interface:                              | Keypad   |
| Outputs:  | 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 Accuracy:                             | -  |
| Resistivity Measurement:                          | -  |
| Resistivity Resolution:                           | -  |
| Resolution:                                       | pH: 0.001  |
| Result ID:  | Yes  |
| Salinity Measurement Range:                       | -  |
| Salinity Resolution:                              | -  |
| Simultaneous measurements:                        | -  |

|                           |  |
|---------------------------|--|
| TDS Measurement Range:    | -  |
| TDS Resolution:           | -  |
| Temperature Accuracy:     | ≤ 0.2 °C   |
| Temperature Compensation: | Manual or Automatic  |
| Temperature Measurement:  | -20.0 - 150.0 °C (-4.0 - 302.0 °F)   |
| Temperature resolution:   | 0.1 °C (0.1 °F)  |
| Warranty:                 | 36 months  |
| Weight:                   | 1100 g   |
| What's included?:         | Includes: Sension+ pH31 GLP laboratory pH meter with integrated magnetic stirrer and probe holder, power supply with interchangeable plugs, Sension+ 5010T pH combination electrode with temperature sensor, pH4, pH7 and pH10 calibration standard solutions, 125 mL, KCl electrolyte solution 50 mL, 3 calibration beakers and printed documentation |

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## What's included?

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