

PRODUCT INFORMATION

LABORATORY ANALYSIS

SENSION 2



SENSION 2 - pH meter for demanding applications in the field

- For pH/ORP/Temperature and ISE measurement
- Automatic buffer recognition
- 1, 2, or 3 point calibration for pH/5 point calibration for ISE
- Data memory
- Resolution of 0.1, 0.01 and 0.001, for the right accuracy when you need it
- Measures/compensates temperature
- For ISE applications like Fluoride, Nitrate, Ammonia and Sodium
- Download/print data via docking station
- IP67 waterproof



LANGE 

Technical data

Range	
- pH	- 2.000 to 19.999
- Concentration	0.000 to 19900
- mV/ORP	± 2000 mV
- Temperature	- 10 to 110°C (-50 to 230°F)
Resolution	
- pH	0.1; 0.01; 0.001 (selectable)
- Concentration	0.1; 0.01; 0.001 (selectable)
- mV/ORP	0.1 mV
- Temperature	0.1°C
Accuracy	
- pH	± 0.002
- Concentration	± 0.05% of reading
- mV/ORP	± 0.2 mV or ± 0.05% of reading (whichever is greater)
- Temperature	± 0.3°C at 0-70°C; ± 1.0°C at 70-110°C
Outputs	One-way, RS-232 via docking station
Inputs	One 5-pin connector One BNC connector One 2 mm single-pin reference connector
Power Requirements	4 AA batteries or 110 to 220 VAC line power through docking station
Input Impedance	> 10 ¹² Ohms
AutoCal	Automatic buffer recognition; 4.01, 6.86; 7.00, 10.01; or free input of pH buffers
Autoread	On/off
Data Memory	99 point memory
Display	Custom LCD/Backlight
Calibration	pH 1, 2 or 3 point (1 use previous calibration slope and adjusts offset; 2 and 3 create new slope) 2 - 5 point calibration for concentration
Calibration Review	User-activated; shows last cal slope, date and time, buffers/standards used and mV in each
Serial Data Output	RS-232 through docking station
Battery Life	6 month typical use (approx. 500 hrs. continuous)
Low Battery Indicator	Yes
Waterproof	IP67
Dimensions	21.2 x 8.7 x 4.2 cm (8.35 x 3.43 x 1.65")

Ordering information

INSTRUMENT	ART. NO.
SESSION 2 Portable pH/ISE Meter without pH electrode	5172511
SESSION 2 Portable pH/ISE Meter with Platinum pH electrode	5172510
SESSION 2 Portable pH/ISE Meter with gel filled pH electrode	5172512
SESSION 2 with Platinum pH electrode and 115 V Docking Station	5172513
SESSION 2 with Platinum pH electrode and 230 V Docking Station	5172514
SESSION 2 with gel filled pH electrode and 230 V Docking Station	5172515
pH STANDARD SOLUTIONS	
SINGLET Combipack pH 7,00 and 10,01 ± 0,02 pH (25°C), pk/20, 25 ml	2769820
SINGLET Combipack pH 4,01 and 7,00 ± 0,02 pH (25°C), pk/20, 25 ml	2769920
SINGLET pH 4,01 ± 0,02 pH (25°C), pk/20, 25 ml	2770020
SINGLET pH 7,00 ± 0,02 pH (25°C), pk/20, 25 ml	2770120
SINGLET pH 10,01 ± 0,02 pH (25°C), pk/20, 25 ml	2770220
pH Standard Solution, pH 4,01 ± 0,02 pH (25°C), 500 ml	1222349
pH Standard Solution, pH 4,00 ± 0,02 pH (25°C), red coloured, 500 ml	2283449
pH Standard Solution, pH 7,00 ± 0,02 pH (25°C), 500 ml	1222249
pH Standard Solution, pH 7,00 ± 0,02 pH (25°C), yellow coloured, 500 ml	2283549
pH Standard Solution, pH 10,00 ± 0,02 pH (25°C), 500 ml	1222149
pH Standard Solution, pH 10,00 ± 0,02 pH (25°C), blue coloured, 500 ml	2283649
OPTIONAL ACCESSORIES	
Platinum pH electrode (integrated temperature sensor)	5191000
Refillable pH electrode (integrated temperature sensor)	5194000
Gel filled pH electrode (integrated temperature sensor)	5193500
Gel filled ORP electrode	5193900
Platinum ORP electrode	5193700
Fluoride Combination Electrode, Platinum type	5192800
Nitrate Combination Electrode, Platinum type	5192000
Sodium Combination Electrode, Platinum type	5192500
Ammonia Combination Electrode, Platinum type	5192700
pH electrode soaker bottle	5192900
pH electrode storage solution powder pillows, 20 pcs	2657364
pH electrode storage solution, 500 ml	2756549
ORP standard solution, 20 ml glass ampule, pk/20	2612520
Electrode stand	4530000
Electrode stirrer stand 115 V	4530001
Electrode stirrer stand 230 V	4530002
HachLink 2000 software for PC	4966500
Computer serial (RS232) cable	4967100
Docking station 115 V	5187501
Docking station 220 V	5187502
Replacement batteries, AA, pk/4	1938004
LIS Chamber (for low ionic strength samples)	5189900
Carrying case (soft-side)	5190400
Carrying case (hard-side)	5190300
Probe holder	5467100
Kyoline Brand Thermal Printer with cable, 230 V	A70P020
Kyoline Brand Thermal Printer with cable, 115 V	A70P021
Thermal Paper for Kyoline Printer, pk/10 rolls	A70P025

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