

PRODUCT INFORMATION

LABORATORY ANALYSIS

SENSION 1



SENSION 1 - Favourably priced basic meter for pH in routine analysis

- For routine pH/ORP/Temperature measurement in the field
- 1, 2 or 3 point quick pH calibration procedure
- Automatic buffer recognition
- Resolution of 0.1, 0.01 and 0.001, for the right accuracy when you need it
- Measures/compensates temperature
- IP67 waterproof



LANGE 

Technical data

| | |
|------------------------------|--|
| Range | |
| - pH | - 2.00 to 19.99 |
| - mV/ORP | ± 2000 mV |
| - Temperature | - 10 to 110°C (-50 to 230°F) |
| Resolution | |
| - pH | 0.1; 0.01; 0.001 (selectable) |
| - mV/ORP | 0.1 mV |
| - Temperature | 0.1°C |
| Accuracy | |
| - pH | ± 0.002 |
| - mV/ORP | ± 0.2 mV or ± 0.1% of reading (whichever is greater) |
| - Temperature | ± 0.3°C at 0-70°C; ± 1.0°C at 70-110°C |
| Outputs | None |
| Inputs | One 5-pin connector One BNC connector One 2mm single-pin reference connector |
| Power Requirements | 4 alkaline AA batteries |
| Input Impedance | > 10 ¹² Ohms |
| AutoCal | Auto buffer recognition; 4.01, 6.86; 7.00, 10.01 |
| AutoRead | On/off |
| Display | Custom LCD |
| Calibration | 1, 2-, 3-point calibration |
| Calibration Review | User-activated; shows last cal slope, buffers/standards used and mV in each |
| Serial Data Output | None |
| 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 1 Portable pH Meter | 5170000 |
| SESSION 1 Portable pH Meter with Platinum pH electrode | 5170010 |
| SESSION 1 Portable pH Meter with gel filled pH electrode | 5170011 |
| 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 |
| 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 |
| Replacement batteries, AA, pk/4 | 1938004 |
| Electrode washer | 2704700 |
| LIS Chamber (for low ionic strength samples) | 5189900 |
| Carrying case (soft side) | 5190400 |
| Carrying case (hard side) | 5190300 |

HACH LANGE Services

Orders, information and consultation without delay:
Tel. + 44 (0)12 56 33 34 03



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DR. BRUNO LANGE
GMBH & CO.KG
Willstätterstraße 11
D-40549 Düsseldorf
Tel. +49 (0)2 11 52 88-0
Fax +49 (0)2 11 52 88-143
info@hach-lange.de
www.hach-lange.com

HACH LANGE LTD
Lennox Road
Basingstoke
Hampshire, RG22 4AP
Tel. +44 (0) 12 56 33 34 03
Fax +44 (0) 12 56 33 07 24
info@hach-lange.co.uk
www.hach-lange.com

Hyxo Oy

P.O. Box 16 (Palokorvenkatu 2)
FI-04261 Kerava, Finland
Tel. +358 10 417 4500
Fax +358 10 417 4501
hyxo@hyxo.fi • www.hyxo.com



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