

ANALOGUE RANGE

PPD 26 & PSD 21 pH-meters
CSD 22 conductivity meter
OSD 23 laboratory oxygen analyser

Intuitive adjustment using buttons

Compatible with Computer-Assisted
Experimentation software

Simple to use

Compact instruments
for an educational
approach



Wide display for easier reading

Manual switching of parameters
(PSD 21 & PPD 26) and
measurement ranges (CSD 22)

Choice of measurement unit:
mg/L or % (OSD 23)

Polarographic technology (Clark
probe) (OSD 23)

Technical specifications:

| | | PPD 26 pH-meter | PSD 21 pH-meter | CSD 22 conductivity meter | OSD 23 oxygen analyser |
|--|--|---|--------------------------------|---|--|
| Screen | | 1 x 2,000-count LCD screen | | | |
| Measurement parameters | pH | ■ | ■ | | |
| | Redox potential | ■ | ■ | | |
| | Conductivity | | | ■ | |
| | Dissolved oxygen | | | | ■ |
| | Temperature | ■ | | | |
| METROLOGICAL PERFORMANCE | | | | | |
| Measurement range and associated resolution (Rs) | pH | 0 - 14 (Rs = 0.01 pH) | | | |
| | Redox potential | ± 1,999 mV (Rs = 1 mV) | | | |
| | Conductivity | | | <i>4 ranges:</i> 0 - 200 µS/cm 0 - 2 000 µS/cm 0 - 20 mS/cm 0 - 200 mS/cm | <i>Resolutions:</i> Rs = 0.1 µS/cm Rs = 1 µS/cm Rs = 0.01 mS/cm Rs = 0.1 mS/cm |
| | Temperature | 0 - 150 °C (Rs = 0.1 °C) | | | |
| | Dissolved oxygen | | | | <i>Liquid:</i> 0.01 – 19.99 mg/L (Rs = 0.01 mg/L) <i>Gas:</i> 0.1 – 199.9 % (Rs = 0.1%) |
| Calibration | pH: manual, 2 points Redox potential: manual, 1 point | | Manual, 1 point | Manual, 2 points | |
| FUNCTION | | | | | |
| Temperature compensation | MTC (0 – 60 °C) | MTC (0 – 100 °C) | | Automatic (ATC) | |
| ENVIRONMENTAL SPECIFICATIONS | | | | | |
| Operating temperature | 0 to 50 °C | | | | |
| Humidity | 5 to 80 % at 35 °C | | | | |
| Pollution degree | Usage category 2 | | | | |
| Altitude limit | 2,000 m | | | | |
| Conformity | NF EN 61010-1 – NF EN 61326 (class B) | | | | |
| PHYSICAL SPECIFICATIONS | | | | | |
| Dimensions (length x width x depth) | 187 x 106 x 54 mm | | | | |
| Weight | 340 g | 280 g | | | |
| Connections (inputs) | 3.5 mm jack plug for Temperature probe (Pt100) BNC plug for pH/mV electrode | BNC plug for pH/mV electrode 2 mm banana for separate reference electrode | BNC plug for conductivity cell | 5-pin plug for oxygen probe | |
| Communication (outputs) | 2.54 mm jack plug for recorder output | Isolated 4 mm terminals for recorder output | | | |
| Power supply | 9 V battery (supplied) | 9 V mains adapter (supplied) | | | |
| Warranty | 3 years | | | | |

References for ordering and state at delivery:

| | |
|--|-------------------|
| Portable pH-meter: instrument delivered with concentrated pH4 and pH7 reference solutions (125 mL), 1 user manual and 1 x 9 V battery | PPD26 |
| Benchtop pH-meter: instrument delivered with concentrated pH4 and pH7 reference solutions (125 mL), 1 user manual and 1 mains power pack (9 V) | PSD21 |
| Benchtop conductivity meter: instrument delivered with 1M KCl solution (125 mL), 1 user manual and 1 mains power pack (9 V) | CSD22 |
| Laboratory oxygen analyser: instrument delivered with 1 user manual and 1 mains adapter (9 V power supply) | OSD23 |
| Electrodes/probes and mechanical accessories | Please contact us |

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