

Product Details

Product Number

PRO6092



Technical Specification:

General Features

- 7.0" high-resolution LCD.
- Multi-reading modes: auto-read, timed-read, continuous-read.
- Automatic/Manual temperature compensation (ATC/MTC).
- Auto-hold detects and locks the measurement endpoint.
- GLP: 500 data sets per parameter (pH / ISE / EC / Temp.).
- USB and RS-232 communication; PC software via USB.
- Factory reset to default settings.
- IP54 water-resistant housing.

pH Functions

- 1–5 point calibration with standard recognition.
- Buffer groups: NIST, DIN, GB, USA, GOST.
- Automatic electrode diagnostics (slope & offset display).

Ion (ISE) Functions

- 1–5 point calibration; polyline or linear fitting.
- Units: $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , ppm , ppb .

- Direct Reading mode; 10+ built-in methods (F-, Cl-, I-, NO3-, BF4-, NH4+, K+, Na+, Ca2+, Cu2+, Pb2+, Ag+, NH3-N) + user methods.

Conductivity Functions

- 1–3 point calibration with standard recognition.
- Settable: cell constant, temp. coefficient, TDS factor.
- Temperature compensation types: none, linear, pure water.

Included

- 3-in-1 pH composite electrode — PRO4153
- Conductivity electrode (k=1, ATC, 2–20000 µS/cm, Φ12×120 mm) — PRO6154
- NIST pH standards 4.01 / 7.00 / 10.01 (50 ml each)
- 1413 µS/cm EC standard (50 ml)
- EHO-5 electrode stand

Technical Specifications

Overview

Model	MPA300
Parameters	pH / EC / ISE / Temp. (mV / pX / Resistivity / TDS / Salinity)

pH

Range	–2.00 ~ 20.00 pH
Resolution	0.1, 0.01 pH
Accuracy	±0.01 pH
Calibration points	Up to 5
Standards	NIST, GB, USA, DIN
Slope limit	Yes

mV / pX

mV range	–2000.0 ~ 2000.0 mV
mV resolution	0.1 mV
mV accuracy	±0.3 mV or ±0.1%

pX range	-2.00 ~ 20.00 pX
pX resolution	0.1, 0.01 pX
pX accuracy	±0.01 pX
pX calibration	Up to 5 points

ISE (Ion-Selective)

Range	1.000e-9 to 9.999e+9
Units	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb
Resolution	Up to 4 significant digits
Accuracy	±0.5%
Calibration	Up to 5 points

Conductivity / Resistivity / TDS / Salinity

Conductivity	0.000 µS/cm ~ 1000 mS/cm
Resolution (EC)	min 0.001 µS/cm (varies with range)
Accuracy (EC)	±1.0% FS
Reference temperature	20, 25 °C
EC calibration	Up to 3 points
Standards	84 µS/cm, 1413 µS/cm, 12.88 mS/cm
Resistivity	5.00 Ω·cm ~ 20.00 MΩ·cm (min res. 0.01 Ω·cm)
TDS	0.00 ppm ~ 300 ppt (min res. 0.01 mg/L; varies)
Salinity	0.0–80.0 ppt, 0.00–8.00 %NaCl (res. 0.1)
Accuracy (Sal.)	±2 ppt

Temperature & Measurement

Temperature range	-5 ~ 110 °C (23 ~ 230 °F)
Units	°C, °F
Resolution	0.1
Accuracy	±0.2 °C
Reading modes	Auto (Fast/Medium/Slow), Timed, Continuous

Prompts	Reading, Stable, Locked
Temp. compensation	ATC, MTC

Memory & I/O

Data storage	500 results per parameter
GLP features	Yes
Inputs	pH electrode (BNC/Q9); DO + Temp. probe (4-pin); Conductivity + Temp. probe (5-pin)
Outputs	USB (PC), RS-232 (printer)

General

Backlight	Yes
Auto shutdown	1–60 min, or off
IP rating	IP54
Date & time	Yes
Power	AC adapter, 100–240 V AC input, DC 20 V output
Dimensions	242 × 195 × 68 mm
Net weight	900 g (1.98 lb)
Carton	370 × 305 × 330 mm; shipping weight 3.5 kg

Accessories: