

Product Details

Product Number

PRO5384



Technical Specification:

Features

VIKING-M300A – General Features

- 7.0-inch high-resolution LCD display.
- Multi-reading modes: Auto Read, Timed Read, Continuous Read.
- Automatic/Manual temperature compensation for accurate results.
- Auto-Hold detects and locks the measurement endpoint.
- Data storage: 500 data sets per parameter (GLP-compliant).
- Supports USB or RS-232 communication.
- USB communication for PC software supported.
- Reset function restores all settings to factory defaults.
- IP54 water-resistant housing.

VIKING-M300A – pH

- 1–5 point calibration with standard recognition.
- Selectable buffer groups: NIST, DIN, GB, USA, GOST.
- Automatic electrode diagnostics with slope and offset display.

VIKING-M300A – Ion (ISE)

- 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.
- Over 10 built-in methods (F^- , Cl^- , I^- , NO_3^- , BF_4^- , NH_4^+ , K^+ , Na^+ , Ca^{2+} , Cu^{2+} , Pb^{2+} , Ag^+ , $\text{NH}_3\text{-N}$) plus user-defined methods.

VIKING-M300A – Conductivity

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

VIKING-M300A – Included

- 3-in-1 pH composite electrode **PRO4153**
- EC electrode **PRO6154**
- NIST pH standard solutions (4.01 / 7.00 / 10.01), 50 ml each
- 1413 µS/cm EC standard solution, 50 ml
- EHO-5 electrode stand

Technical Specifications

Model & Parameters

Model VIKING-M300A

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
Standard Customization	Yes
Standard Recognition	NIST, GB, USA, DIN
Slope Limit	Yes

mV

Range	–2000.0 ~ 2000.0 mV
Resolution	0.1 mV
Accuracy	±0.3 mV or ±0.1%

pX

Range	–2.00 ~ 20.00 pX
Resolution	0.1, 0.01 pX
Accuracy	±0.01 pX
Calibration Points	Up to 5

ISE

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 $\pm 0.5\%$

Calibration Points Up to 5

Conductivity

Range 0.000 $\mu\text{S}/\text{cm}$ ~ 1000 mS/cm

Resolution min 0.001 $\mu\text{S}/\text{cm}$ (varies with range)

Accuracy $\pm 1.0\%$ FS

Reference Temperature 20, 25 °C

Calibration Points Up to 3

Standard Recognition 84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 12.88 mS/cm

Resistivity

Range 5.00 $\Omega\cdot\text{cm}$ ~ 20.00 $\text{M}\Omega\cdot\text{cm}$

Resolution min 0.01 $\Omega\cdot\text{cm}$

Accuracy $\pm 1.0\%$ FS

TDS

Range 0.00 ppm ~ 300 ppt

Resolution min 0.01 mg/L (varies with range)

Accuracy $\pm 1.0\%$ FS

Salinity

Range 0.0 ~ 80.0 ppt, 0.00 ~ 8.00 %NaCl

Resolution 0.1 ppt, 0.1%

Accuracy ± 2 ppt

Temperature

Range -5 ~ 110 °C, 23 ~ 230 °F

Units °C, °F

Resolution 0.1

Accuracy ± 0.2 °C

Measurement

Reading Modes Auto Read (Fast, Medium, Slow), Timed, Continuous

Reading Prompts Reading, Stable, Locked

Temperature Compensation ATC, MTC

Data Management

Data Storage 500 results each

GLP Features Yes

Inputs & Outputs

pH Electrode	BNC (Q9)
DO with Temp. Probe	4-pin aviation connector
Conductivity with Temp. Probe	5-pin aviation connector
USB	PC
RS-232	Printer

Display & Power

Backlight	Yes
Auto Shutdown	1 ~ 60 min, off
IP Rating	IP54
Date & Time	Yes

General

Power	AC adapter, 100 ~ 240 V AC input, 20 V DC output
Dimensions	242 × 195 × 68 mm
Net Weight	900 g (1.98 lb)
Carton (Dimensions)	370 × 305 × 330 mm
Shipping Weight	3.5 kg

Accessories: