

VIKING-ISE600

Laboratory pH / Ion / mV Meter • Temperature • 4-channel modular • 7.0" touchscreen • GLP / GMP

VIKING-ISE600 Modular Touchscreen pH / Ion Meter is a modular touchscreen benchtop meter supplied with a pX module for ion concentration, pX, pH, mV / ORP and temperature. It reports ion results in µg/L, mg/L, g/L, mmol/L, ppm or ppb, offers direct reading, standard addition, sample addition and GRAN modes and has over 10 built-in ion methods plus user-defined methods. Free channels take pH, EC or DO modules later; three-level users, GMP logs (FDA 21 CFR Part 11) and CSV / PDF export are built in.

MODULAR ION METER

4 CHANNELS

ION / PX / PH / MV

TEMPERATURE

7.0" COLOUR TOUCH

±0.3 % ION

±0.002 PX

GRAN • STD. ADDITION

GMP • 21 CFR PART 11

CSV / PDF EXPORT

Document type: **Technical Specification Sheet**

Product: **VIKING-ISE600 Modular Touchscreen pH / Ion Meter**

SKU: **PRO4949**

Format: **A4 landscape • 5 pages**

[VIKING-ISE600 PRODUCT PAGE](#)

[ELECTROCHEMISTRY — OVERVIEW](#)

[ELECTROCHEMISTRY CATALOGUE](#)

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VIKING-ISE600 • Modular Touchscreen pH / Ion Meter

VIKING-ISE600

Benchtop pH / Ion Meter • PC software

Operation guide

Installation • calibration • measurement • data management



► [Watch the operation video \(10:06\)](#) • PC software: installation, calibration, measurement and data

MODEL / SKU

**VIKING-ISE600
PRO4949**

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VIKING-ISE600 • technical specification

Modular 4-channel touchscreen meter with pX module, expandable with pH, EC and DO modules

ION 1.000E-9...9.999E+9

PX / PH -2.000...20.000

MV ±2000.00

TEMP. -10...135 °C

4 CHANNELS

— Ion-selective measurement with method library and audit-ready records

Product Overview

Application profile

Water and environment: fluoride, nitrate, chloride and ammonium in drinking and wastewater.

Food and agriculture: sodium, potassium, calcium and nitrate in food, fertiliser and soil extracts.

Pharma and QC: user roles, GMP logs, forced calibration and standard checks.

Research and teaching: GRAN, standard and sample addition for method development.

Design and handling advantage

Ion method library: over 10 methods: F⁻, Cl⁻, Br⁻, I⁻, NO₃⁻, BF₄⁻, NH₄⁺, K⁺, Na⁺, Ca²⁺, Cu²⁺, Pb²⁺, Ag⁺; user methods.

Four measurement modes: direct reading, standard addition, sample addition and GRAN.

Modular 4 channels: add pH, EC or DO modules; 1–4 parameters at once.

Data and compliance: GMP log, CSV / PDF export, printer, PC, barcode scanner, autosampler.

Key features

Ion concentration: 1.000e-9 to 9.999e+9, up to 4 significant digits, ±0.3 %.

pX / pH: -2.000 to 20.000, resolution 0.001, ±0.002.

mV / ORP: -2000.00 to 2000.00 mV, 0.01 mV, ±0.03 % or ±0.1 mV.

Temperature: -10.0 to 135.0 °C, ±0.1 °C, ATC / MTC.

Units: mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb, pX.

Core technical summary

Parameter	Specification
Model	VIKING-ISE600
SKU	PRO4949
Instrument type	Modular touchscreen pH / ion meter
Channels	4, modular (pX module installed)
Display	7.0" colour touchscreen
Ion range	1.000e-9 to 9.999e+9
Ion accuracy	±0.3 %
pX / pH accuracy	±0.002
Temperature range	-10.0 to 135.0 °C
Outputs	USB, RS-232

ION ACCURACY

±0.3 %

PX ACCURACY

±0.002 pX

METHODS

10+ ions, user-defined

COMPLIANCE

GMP • 21 CFR 11

Technical values are provided for product selection. The delivered configuration, electrode type and accessory set are confirmed in the official COLO.Science quotation.

[VIKING-ISE600 PRODUCT PAGE](#)
[ELECTROCHEMISTRY — OVERVIEW](#)
[ELECTROCHEMISTRY CATALOGUE](#)
[REQUEST QUOTE](#)

Technical Parameters

Parameter	Specification	Parameter	Specification
Ion concentration range	1.000e-9 to 9.999e+9	Channels	4, modular: pH, pX, EC-T, EC-F, DO-F, DO-P
Ion resolution / accuracy	4 significant digits / $\pm 0.3\%$	Reading modes	Auto, timed, continuous
Units	mol/L, mmol/L, g/L, mg/L, $\mu\text{g/L}$, ppm, ppb	Display	7.0" colour touchscreen
pX range / accuracy	-2.000 to 20.000 pX / ± 0.002 pX	Data memory	1000 results, 100 calibrations, 1000 checks
pH range / accuracy	-2.000 to 20.000 pH / ± 0.002 pH	Management	3-level users, methods, GMP log (21 CFR 11)
mV range	-2000.00 to 2000.00 mV	Inputs	BNC (Q9) electrode, 6-pin Mini-DIN temperature
mV resolution / accuracy	0.01 mV / $\pm 0.03\%$ or ± 0.1 mV	Outputs	USB (PC, flash drive CSV / PDF), RS-232 (printer)
Measurement modes	Direct, standard / sample addition, GRAN	Peripherals	Barcode scanner, autosampler
Built-in methods	F^- , Cl^- , Br^- , I^- , NO_3^- , BF_4^- , NH_4^+ , K^+ , Na^+ , Ca^{2+} , Cu^{2+} , Pb^{2+} , Ag^+	Power supply	AC adapter 100–240 V, DC 20 V
pH buffers	NIST, USA, MERCK, GB, DIN, GOST, JIS	Protection	IP54
ORP calibration	1 point	Operating conditions	0–40 °C, RH $\leq 85\%$
Temperature range	-10.0 to 135.0 °C / 14.0 to 275.0 °F	Dimensions	240 × 310 × 98 mm
Temperature accuracy	± 0.1 °C	Weight	approx. 2.0 kg

Specification notes

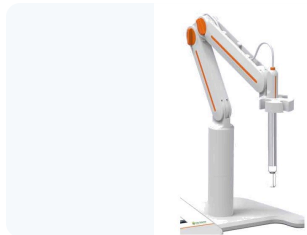
Electrode selection: choose a combined ISE or an ISE with a separate reference according to the ion and the matrix — see page 4.

Calibration: use ionic strength adjuster (ISA / TISAB) and standards bracketing your samples; standard addition for complex matrices.

Documentation: results, calibrations and GMP logs export to a USB flash drive as CSV / PDF, to a PC or to a printer.

[VIKING-ISE600 PRODUCT PAGE](#)
[ELECTROCHEMISTRY — OVERVIEW](#)
[ELECTROCHEMISTRY CATALOGUE](#)
[REQUEST QUOTE](#)

Electrodes and Accessories



COLO-3

Electrode stand COLO-3

Articulated electrode arm on a stable base; holds electrode and temperature probe.

Standard delivery



PRO6237

Fluoride combined ISE PF-202-C

Fluoride (F^-) ion-selective electrode with built-in reference, BNC (Q9).

Optional



PRO6240

Fluoride ISE PF-2-01

Fluoride (F^-) ion-selective electrode, 5–45 °C; used with a separate reference electrode.

Optional



PRO6139

pH composite electrode E-201-L

Ag/AgCl reference, $\Phi 12 \times 120$ mm, BNC (Q9) connector.

Optional



PRO6170

Temperature probe T-818-L

316 stainless steel, $\Phi 4 \times 120$ mm, $-5 \dots 105$ °C; 6-pin Mini-DIN for ATC.

Optional



PRO6998

Thermal printer 771000

Prints measurement and calibration records (GLP).

Optional

More electrodes and accessories

SKU	Item	Use	Status
—	Measurement modules pX, EC-T, EC-F, DO-F, DO-P	Extension to 4 channels	Optional
PRO6242	Chloride (Cl^-) ISE	Ion measurement	Optional
PRO6249	Nitrate (NO_3^-) ISE	Ion measurement	Optional
PRO7128	Fluoride ISE standard 0.1 mol/L, 250 mL	Calibration	Optional

Standard delivery: meter with pX module, electrode stand COLO-3 and touch pen. Ion-selective electrodes (combined, or with a separate reference) connect to the BNC (Q9) input and are ordered per ion together with standards and ISA; the temperature probe T-818-L connects to the 6-pin Mini-DIN input. Standard delivery is confirmed in the quotation.

VIKING-ISE600 PRODUCT PAGE

ELECTROCHEMISTRY — OVERVIEW

ELECTROCHEMISTRY CATALOGUE

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VIKING-ISE600 modular touchscreen meter with electrode stand COLO-3

Ordering information

Item	Value
Model	VIKING-ISE600
SKU	PRO4949
Instrument type	Modular touchscreen pH / ion meter
Standard delivery	meter with pH module, stand COLO-3, touch pen, adapter
Electrodes	ordered per ion (not included)
Temperature probe	T-818-L (PRO6170), optional
Options	pH, EC, DO modules; printer

Configuration checklist

Target ions: fluoride, nitrate, chloride, sodium, potassium, calcium or others.

Electrode type: combined ISE or ISE with separate reference.

Method: direct reading, standard or sample addition, GRAN.

Compliance: user roles, GMP log, printer, scanner or autosampler.

Future parameters: pH, conductivity or dissolved oxygen modules.

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: VIKING-ISE600 is selected when a laboratory needs ion-selective measurements with a method library, addition techniques and audit-ready records on a touchscreen platform that can grow with pH, EC or DO channels. COLO.Science helps you choose electrodes, ISA solutions and standards.

QUICK CONTACT

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 [Watch the operation video](#)

COLO.SCIENCE · ION METER CONFIGURATION SUPPORT

Need help choosing the right ion-selective electrode?

Tell us the ions, the sample matrix and the expected concentration. COLO.Science will confirm the electrodes, ISA solutions, standards and the VIKING-ISE600 configuration for your laboratory.

Web: colo.si

Ask us:

Price and current discount, delivery time, electrode selection for your sample, calibration standards, installation and operator training, spare electrodes and accessories — write to sales@colo.si or call us.

[VIKING-ISE600 PRODUCT PAGE](#)

[ELECTROCHEMISTRY — OVERVIEW](#)

[ELECTROCHEMISTRY CATALOGUE](#)

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