

VIKING-EC240

Benchtop Conductivity Meter • EC 0.000 $\mu\text{S}/\text{cm}$...3000 mS/cm • $\pm 0.5\%$ • Grade 0.5 • 5.0" touchscreen

VIKING-EC240 Benchtop Conductivity Meter is a 0.5-grade benchtop conductivity meter with a 5" colour touchscreen for conductivity, resistivity, TDS and salinity: 0.000 $\mu\text{S}/\text{cm}$ –3000 mS/cm , $\pm 0.5\%$ of reading, 4-ring electrode, 10 built-in standards, 1000-result GLP memory, USB and RS-232.

BENCHTOP CONDUCTIVITY METER

EC 0.000 MS/CM...3000 MS/CM

$\pm 0.5\%$

GRADE 0.5

5.0" TOUCHSCREEN

USB / RS-232

TDS

SALINITY

Document type: **Technical Specification Sheet**

Product: **VIKING-EC240 Benchtop Conductivity Meter**

SKU: **PRO5360**

Format: **A4 landscape • 5 pages**

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VIKING-EC240 • Benchtop Conductivity Meter



5.0" colour touchscreen • EC 0.000 $\mu\text{S}/\text{cm}$...3000 mS/cm • $\pm 0.5\%$ • Grade 0.5

MODEL / SKU

**VIKING-EC240
PRO5360**

ADDRESS / HQ

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CONTACT

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VIKING-EC240 • technical specification

Benchtop Conductivity Meter with 5.0" colour touchscreen

EC 0.000 MS/CM...3000 MS/CM ±0.5 % GRADE 0.5 5.0" TOUCHSCREEN USB / RS-232 — 5.0" colour touchscreen

Product Overview

Application profile

Pure and process water: conductivity, resistivity and purity of water systems.

Environment: drinking, surface and wastewater, TDS.

Desalination: salinity by the NaCl standard.

Laboratories: routine conductivity in chemical, pharma and food labs.

Advantages

Instrument grade: 0.5

Accuracy: ±0.5 % of reading; temperature ±0.1 °C

Calibration: 1-point; 10 built-in standards, custom standard, known cell constant

Data memory: 1000 results, GLP

Key features

Display: 5.0" colour touchscreen

Measurement modes: Conductivity / resistivity / TDS / salinity

Temperature compensation: Linear (0.00–10.00 %/°C), non-linear, off

Inputs: Mini-DIN with built-in temperature sensor (NTC 30 kΩ)

Data output: RS-232 and USB (printer optional)

Core technical summary

Parameter	Specification
Model	VIKING-EC240
SKU	PRO5360
Instrument type	Benchtop Conductivity Meter
Conductivity range	0.000 µS/cm to 3000 mS/cm
TDS range	0.000 mg/L to 3000 g/L
Salinity range	0.000 to 87.0 psu
Accuracy	±0.5 % of reading; temperature ±0.1 °C
Data memory	1000 results, GLP
Data output	RS-232 and USB (printer optional)

ACCURACY

±0.5 %

INSTRUMENT GRADE

0.5

CONDUCTIVITY RANGE

3000 mS/cm

DATA MEMORY

1000 results

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

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Technical Parameters

Parameter	Specification	Parameter	Specification
Display	5.0" colour touchscreen	Calibration	1-point; 10 built-in standards, custom standard, known cell constant
Instrument grade	0.5	Temperature compensation	Linear (0.00–10.00 %/°C), non-linear, off
Measurement modes	Conductivity / resistivity / TDS / salinity	Reference temperature	20 °C / 25 °C
Conductivity range	0.000 µS/cm to 3000 mS/cm	Data memory	1000 results, GLP
Resistivity range	0.000 Ω-cm to 105.0 MΩ-cm	Endpoint mode	Auto / manual / timed
TDS range	0.000 mg/L to 3000 g/L	Inputs	Mini-DIN with built-in temperature sensor (NTC 30 kΩ)
Salinity range	0.000 to 87.0 psu	Data output	RS-232 and USB (printer optional)
Temperature range	–30.0 to 135.0 °C (ATC / MTC)	Power supply	110 / 220 V AC 50/60 Hz, 9–12 V DC
Resolution	Auto, 0.001–1 (0.1 °C)	Dimensions	250 × 165 × 65 mm
Accuracy	±0.5 % of reading; temperature ±0.1 °C	Electrode holder	360°, height ≈ 320 mm, reach ≈ 400 mm

Specification notes

Temperature compensation: linear, non-linear or off; reference temperature 20 or 25 °C.

Calibration: one point with one of 10 built-in standards, a custom standard or a known cell constant.

Electrode: the 4-ring electrode reduces polarization in high-conductivity samples.

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Electrodes and Accessories



4-ring conductivity electrode

Conductivity electrode with built-in temperature sensor (NTC 30 k Ω), Mini-DIN connector; low polarization in high-salinity samples.

Standard delivery



Conductivity standards (4 pcs)

146.5 μ S/cm, 1408 μ S/cm, 12.85 mS/cm and 111.3 mS/cm for calibration across the range.

Standard delivery



Electrode holder with stand-alone base

Holder arm with 360° rotation, height $\approx$ 320 mm, reach $\approx$ 400 mm, on a separate base.

Standard delivery

More electrodes and accessories

SKU	Item	Use	Status
—	Spare 4-ring conductivity electrode	Conductivity	Optional
—	RS-232 printer	Documentation	Optional

Standard delivery: meter, 4-ring conductivity electrode, electrode holder with stand-alone base, 4 conductivity standards, power adapter. Standard delivery is confirmed in the quotation.

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VIKING-EC240 with electrode holder

Ordering information

Item	Value
Model	VIKING-EC240
SKU	PRO5360
Instrument type	Benchtop Conductivity Meter
Standard delivery	4-ring conductivity electrode, electrode holder with stand-alone base, 4 conductivity standards, power adapter
Power supply	110 / 220 V AC 50/60 Hz, 9–12 V DC

Configuration checklist

Range: pure water in $\mu\text{S}/\text{cm}$ or brines up to 3000 mS/cm.

Ash: choose VIKING-EC250 for conductivity ash in the sugar industry.

Documentation: GLP memory, USB and printer output.

MANUFACTURER AND SUPPORT

COLO Lab Experts
Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: VIKING-EC240 is chosen for accurate laboratory conductivity, resistivity, TDS and salinity. COLO.Science helps you choose the electrode and consumables.

QUICK CONTACT

 colo.si

 sales@colo.si

 +386 70 713 437

COLO.SCIENCE · CONDUCTIVITY METER CONFIGURATION SUPPORT

Need help choosing the right conductivity meter configuration?

Tell us the sample type and how you document results. COLO.Science will confirm the electrode, standards and VIKING-EC240 configuration for your workflow.

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.

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