

VIKING-EC250

Benchtop Conductivity Meter with Ash Mode • EC 0.000 μ S/cm...3000 mS/cm • ± 0.5 % • Conductivity ash • 5.0" touchscreen

VIKING-EC250 Benchtop Conductivity Meter with Ash Mode is a 0.5-grade benchtop conductivity meter with a 5" colour touchscreen that adds conductivity ash for the sugar industry and pure-water compensation: 0.000 μ S/cm–3000 mS/cm, ± 0.5 % of reading, 4-ring electrode, 2000-result GLP memory, USB and RS-232.

BENCHTOP CONDUCTIVITY METER WITH ASH MODE EC 0.000 MS/CM...3000 MS/CM ± 0.5 %

CONDUCTIVITY ASH 5.0" TOUCHSCREEN USB / RS-232 TDS SALINITY

Document type: **Technical Specification Sheet**

Product: **VIKING-EC250 Benchtop Conductivity Meter with Ash Mode**

SKU: **PRO5361**

Format: **A4 landscape • 5 pages**

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VIKING-EC250 • Benchtop Conductivity Meter with Ash Mode



5.0" colour touchscreen • EC 0.000 μ S/cm...3000 mS/cm • ± 0.5 % • Conductivity ash

MODEL / SKU
VIKING-EC250
PRO5361

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VIKING-EC250 • technical specification

Benchtop Conductivity Meter with Ash Mode with 5.0" colour touchscreen

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

±0.5 %

CONDUCTIVITY ASH

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.

Sugar industry: conductivity ash of sugar solutions.

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: 2000 results, GLP

Key features

Display: 5.0" colour touchscreen

Measurement modes: Conductivity / resistivity / TDS / salinity / conductivity ash

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

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-EC250
SKU	PRO5361
Instrument type	Benchtop Conductivity Meter with Ash Mode
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
Conductivity ash	0.000–2022 %, ±0.5 %, sugar-industry method
Data memory	2000 results, GLP
Data output	RS-232 and USB (printer optional)

ACCURACY

±0.5 %

INSTRUMENT GRADE

0.5

CONDUCTIVITY RANGE

3000 mS/cm

DATA MEMORY

2000 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, pure water
Measurement modes	Conductivity / resistivity / TDS / salinity / conductivity ash	Reference temperature	20 °C / 25 °C
Conductivity range	0.000 µS/cm to 3000 mS/cm	Data memory	2000 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
Conductivity ash	0.000–2022 %, ±0.5 %, sugar-industry method		

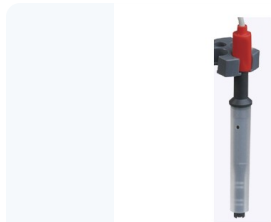
Specification notes

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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4-ring conductivity electrode

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

Standard delivery



Conductivity standards (4 pcs)

146.5 µS/cm, 1408 µS/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 ≈ 320 mm, reach ≈ 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-EC250 with electrode holder

Ordering information

Item	Value
Model	VIKING-EC250
SKU	PRO5361
Instrument type	Benchtop Conductivity Meter with Ash Mode
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-EC250 is chosen for laboratories that also need conductivity ash (sugar industry) and pure-water compensation. 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-EC250 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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