

VIKING-EC200

Benchtop Conductivity Meter • EC / TDS / Temperature • 6.0" LCD • ATC / MTC • IP54

VIKING-EC200 Benchtop Conductivity Meter is a benchtop conductivity / TDS meter for routine EC, TDS and temperature measurement in water-quality, teaching and QC laboratories. It combines a 6.0" backlit LCD, conductivity measurement from 0.00 $\mu\text{S}/\text{cm}$ to 200 mS/cm ($\pm 1.0\%$ FS), TDS measurement, 1-point calibration with automatic standard recognition, automatic / manual temperature compensation, a 50-result memory and IP54 protection.

BENCHTOP CONDUCTIVITY METER • EC • TDS • TEMPERATURE • 6.0" LCD • $\pm 1.0\%$ FS

CALIBRATION 1 POINT • ATC / MTC • IP54

Document type: **Technical Specification Sheet**

Product: **VIKING-EC200 Benchtop Conductivity Meter**

SKU: **PRO2541**

Format: **A4 landscape • 5 pages**

[VIKING-EC200 PRODUCT PAGE](#)

[ELECTROCHEMISTRY — OVERVIEW](#)

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VIKING-EC200 • Benchtop Conductivity Meter

VIKING-EC200

Benchtop Conductivity Meter

Operation guide

Installation • settings • cell constant calibration • measurement



► **Watch the operation video (4:47) • installation, settings, cell constant calibration and measurement**

MODEL / SKU

VIKING-EC200
PRO2541

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VIKING-EC200 • technical specification

Routine benchtop meter for EC, TDS and temperature measurement

EC 0.00 MS/CM...200 MS/CM

±1.0 % FS

TDS 0.00 MG/L...100 G/L

CALIBRATION 1 POINT

ATC / MTC

— Reliable benchtop conductivity measurement for the laboratory

Product Overview

Application profile

Water quality: drinking water, wastewater, surface and process water.

Education and training: simple operation for students, training labs and calibration practice.

Laboratory QC: routine release testing of water, solutions and raw materials.

Process checks: quick conductivity checks in production, cleaning and quality control.

Key features

Conductivity: 0.00 µS/cm to 200 mS/cm, ±1.0 % FS, reference 25 °C.

TDS: 0.00 mg/L to 100 g/L, ±1.0 % FS.

Temperature: -5 to 110 °C, ±0.2 °C, ATC / MTC.

Reading modes: AutoRead, continuous.

Connection: 5-pin electrode input.

Protection: IP54 housing.

Design and handling advantage

Clear display: 6.0" LCD with backlight with Reading / Stable prompts.

Calibration: 1 point with automatic recognition of 84 µS/cm, 1413 µS/cm, 12.88 mS/cm.

Stable bench setup: electrode stand with 360° arm keeps the cell in position during measurement.

Data traceability: 50 results stored per parameter.

Core technical summary

Parameter	Specification
Model	VIKING-EC200
SKU	PRO2541
Instrument type	Benchtop Conductivity Meter
Display	6.0" LCD with backlight
Conductivity range	0.00 µS/cm to 200 mS/cm
Conductivity accuracy	±1.0 % FS
TDS range	0.00 mg/L to 100 g/L
Calibration	1 point
Temperature compensation	ATC / MTC
Protection	IP54

EC ACCURACY

±1.0 % FS

CALIBRATION

1 point

DATA MEMORY

50 results

PROTECTION

IP54

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

[VIKING-EC200 PRODUCT PAGE](#)
[ELECTROCHEMISTRY — OVERVIEW](#)
[ELECTROCHEMISTRY CATALOGUE](#)
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Technical Parameters

Parameter	Specification	Parameter	Specification
Conductivity range	0.00 µS/cm to 200 mS/cm	Temperature compensation	ATC / MTC
Conductivity resolution	0.01 µS/cm minimum, auto range	Reading modes	AutoRead, continuous
Conductivity accuracy	±1.0 % FS	Reading prompts	Reading, Stable, Locked
Reference temperature	25 °C	Display	6.0" LCD with backlight
Calibration	1 point, standard recognition	Data memory	50 results per parameter
Recognised standards	84 µS/cm, 1413 µS/cm, 12.88 mS/cm	Electrode input	5-pin connector (conductivity + temperature)
Settable parameters	Cell constant: settable	Auto power-off	Yes
TDS range	0.00 mg/L to 100 g/L	Power supply	Power adapter, DC 9–24 V
TDS accuracy	±1.0 % FS	Protection	IP54
Temperature range	–5 to 110 °C	Dimensions	242 × 195 × 68 mm
Temperature accuracy	±0.2 °C	Weight	approx. 900 g

Specification notes

Cell constant: k = 1 covers most samples; choose k = 0.1 / 0.01 for pure water and k = 10 for brines — see page 4.

Temperature: the standard electrode has a built-in temperature sensor for ATC; the reference temperature is 25 °C.

Higher model: for more parameters, memory or connectivity see VIKING-EC300.

[VIKING-EC200 PRODUCT PAGE](#)[ELECTROCHEMISTRY — OVERVIEW](#)[ELECTROCHEMISTRY CATALOGUE](#)[REQUEST QUOTE](#)



PRO6154
Conductivity electrode DJS-1VTC (k = 1, ATC)
 2–20000 $\mu\text{S/cm}$, glass body, with temperature sensor, 0–80 °C, $\Phi 12 \times 120$ mm; 5-pin connector.
 Standard delivery



PRO7007
Conductivity standard 1413 $\mu\text{S/cm}$, 50 mL
 Calibration standard at 25 °C for cell-constant calibration.
 Standard delivery



COLO-5
Electrode stand COLO-5
 Flexible electrode arm with 360° rotation; holds the electrode above the beaker.
 Standard delivery



PRO6156
Conductivity electrode DJS-1VTG (k = 1, ATC)
 2–3000 $\mu\text{S/cm}$, glass body, with temperature sensor, 0–80 °C, $\Phi 12 \times 120$ mm; 5-pin connector.
 Optional



PRO6157
Conductivity electrode DJS-0.1VTG (k = 0.1, ATC)
 0.05–200 $\mu\text{S/cm}$, glass body, with temperature sensor, 0–80 °C, $\Phi 12 \times 120$ mm; 5-pin connector.
 Optional



PRO6158
Conductivity electrode DJS-0.01VT (k = 0.01, ATC)
 0.05–20 $\mu\text{S/cm}$, titanium alloy, with temperature sensor, 0–60 °C, $\Phi 18 \times 50$ mm; 5-pin connector.
 Optional



PRO6160
Conductivity electrode DJS-10VTC (k = 10, ATC)
 2000–200000 $\mu\text{S/cm}$, glass body, with temperature sensor, 0–80 °C, $\Phi 12 \times 120$ mm; 5-pin connector.
 Optional



PRO6159
Conductivity electrode DJS-0.01VT (k = 0.01, ATC), flow cell
 0.05–20 $\mu\text{S/cm}$, titanium alloy, with temperature sensor, 0–60 °C, removable flow cell; 5-pin connector.
 Optional

More electrodes and accessories

SKU	Item	Use	Status
PRO6130	Conductivity standard 1413 $\mu\text{S/cm}$, 250 mL	Calibration	Optional
PRO6132	Conductivity standard 84 $\mu\text{S/cm}$, 250 mL	Calibration, low / high range	Optional
PRO6131	Conductivity standard 146.5 $\mu\text{S/cm}$, 250 mL	Calibration, low / high range	Optional
PRO6129	Conductivity standard 12.85 mS/cm, 250 mL	Calibration, low / high range	Optional
PRO6128	Conductivity standard 111.3 mS/cm, 250 mL	Calibration, low / high range	Optional

The standard conductivity electrode DJS-1VTC (PRO6154, k = 1, ATC) connects to the 5-pin input and also measures temperature. Electrodes with k = 0.1, 0.01 and 10 extend the range to pure water and brines. The 1413 $\mu\text{S/cm}$ standard is included; other standards are optional. Standard delivery is confirmed in the quotation.



VIKING-EC200 standard delivery: meter, conductivity electrode, 1413 $\mu\text{S}/\text{cm}$ standard and electrode stand COLO-5

Ordering information

Item	Value
Model	VIKING-EC200
SKU	PRO2541
Instrument type	Benchtop Conductivity Meter
Standard electrode	DJS-1VTC (PRO6154), $k = 1$
Calibration standard	1413 $\mu\text{S}/\text{cm}$, 50 mL (PRO7007)
Also included	electrode stand COLO-5
Power supply	Power adapter, DC 9–24 V

Configuration checklist

Sample type: drinking, waste, pure or process water, solutions, brines.

Range: expected conductivity decides the cell constant ($k = 0.01 / 0.1 / 1 / 10$).

Calibration: number of points and standards close to the sample value.

Documentation: memory, GLP records, USB export or printer.

Need more?: see VIKING-EC300.

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: VIKING-EC200 is the entry benchtop meter for EC, TDS and temperature with a large 6" display and electrode stand — ideal for routine water analysis and teaching laboratories. COLO.Science helps you choose the electrode and standards.

QUICK CONTACT

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 [Watch the operation video](#)

COLO.SCIENCE · CONDUCTIVITY METER CONFIGURATION SUPPORT

Need help choosing the right electrode or calibration standard?

Tell us the sample type, conductivity range and how you document results. COLO.Science will confirm the electrode, standards and VIKING-EC200 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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[ELECTROCHEMISTRY — OVERVIEW](#)

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