COLO.SCIENCE · TECHNICAL SPECIFICATION

VIKING-EC200

Laboratory Conductivity Meter · EC / TDS / Temperature

Model: VIKING-EC200
Product number / SKU: PRO2541
Product family: Conductivity meters
Format: A4 landscape · EN

VIKING-EC200 is a laboratory conductivity meter for routine measurement of **electrical conductivity (EC), total dissolved solids (TDS)** and temperature in water quality, quality control, process and teaching laboratory workflows.

The instrument combines a **6.0” high-resolution LCD with backlight**, Auto Read and Continuous measurement modes, automatic/manual temperature compensation, 1-point calibration with standard recognition and GLP-style result storage.

EC / TDS / Temp | 6.0” LCD | ±1.0% FS | 1-point calibration | ATC / MTC | 50 results / parameter | IP54

Conductivity range
0.00 µS/cm to 200 mS/cm with range-dependent resolution down to 0.01 µS/cm.

Standard kit
PRO6154 EC electrode, 1413 µS/cm standard solution and EHO5 electrode stand.

Laboratory workflow
Auto Read, Continuous reading, Auto-Hold prompts and temperature compensation.

Online reference
Open product page · Electrochemical instruments

Key features and supplied configuration

Routine EC / TDS measurement: VIKING-EC200 is intended for laboratories that need a simple and reliable benchtop conductivity meter with temperature compensation, guided stability prompts and compact GLP-style data storage.

Key instrument features

- 6.0” high-resolution LCD with backlight.
- Multi-reading modes: Auto Read and Continuous.
- Automatic and manual temperature compensation: ATC / MTC.
- Auto-Hold function with on-screen prompts: Reading / Stable / Locked.
- GLP-style data storage: 50 results for each parameter.
- 1-point calibration with automatic standard recognition.
- Settable cell constant and factory reset to default settings.
- IP54 protection for routine laboratory environments.
- Auto shutdown options: 300 / 600 / 1200 / 1800 / 3600 s, or Off.

Measurement scope

- **Conductivity:** 0.00 µS/cm to 200 mS/cm.
- **TDS:** 0.00 ppm to 100 ppt.
- **Temperature:** −5.0 to 110 °C.
- **Accuracy:** ±1.0% FS for conductivity and TDS.
- **Reference temperature:** 25 °C.
- **Inputs:** conductivity probe with temperature sensor, 5-pin aviation connector.

Included items

Conductivity electrode **PRO6154**	1413 µS/cm EC standard solution, **50 mL**	EHO5 electrode stand **PRO6110**
Main instrument **VIKING-EC200**	AC adapter, 100–240 V AC input	DC 9 V output power supply

Routine water quality

Measurement of conductivity, dissolved solids and temperature in basic laboratory water analysis.

QC laboratories

Stable benchtop operation for incoming water, process water and quality control checkpoints.

Teaching labs

Clear display, simple calibration and limited parameter set for training and repeatable routines.

Technical specifications

Conductivity and TDS

Model	VIKING-EC200
Measured parameters	EC / TDS / Temperature
Conductivity range	0.00 µS/cm to 200 mS/cm
Conductivity resolution	0.01 µS/cm minimum, varies by range
Conductivity accuracy	±1.0% FS
Reference temperature	25 °C
Calibration points	1 point
Standard recognition	84 µS/cm, 1413 µS/cm, 12.88 mS/cm
TDS range	0.00 ppm to 100 ppt
TDS resolution	0.01 ppm minimum, varies by range
TDS accuracy	±1.0% FS

Temperature, reading modes and memory

Temperature range	−5.0 to 110 °C
Temperature units	°C
Temperature resolution	0.1 °C
Temperature accuracy	±0.2 °C
Reading modes	Auto Read, Continuous
On-screen prompts	Reading / Stable / Locked
Temperature compensation	ATC, MTC
Data storage	50 results for each parameter
Backlight	Yes
Auto shutdown	300 / 600 / 1200 / 1800 / 3600 s; Off

Inputs, protection and power

Inputs	Conductivity with temperature probe; 5-pin aviation connector
IP rating	IP54
Power	AC adapter, 100–240 V AC input; DC 9 V output
Dimensions	242 × 195 × 68 mm
Net weight	900 g / 1.98 lb

Calibration workflow

- Prepare the conductivity electrode and calibration standard.
- Use one-point calibration with recognized standards.
- Verify stable reading prompt before recording results.
- Use ATC or MTC according to the laboratory method.
- Store selected results in the instrument memory for GLP-style traceability.

Laboratory use, selection notes and comparison context

When VIKING-EC200 is a suitable choice

- Routine conductivity and TDS checks where a compact benchtop meter is preferred.
- Laboratories that need a simple display, basic calibration and temperature compensation.
- Teaching laboratories and QC rooms where workflows should remain easy to repeat.
- Water quality screening, process water monitoring and incoming water checks.

When to consider a higher model

- If resistivity, salinity or wider conductivity range is required.
- If multi-point calibration is important for the method.
- If larger GLP memory, advanced user management or touchscreen operation is required.
- If USB/RS-232 connectivity is needed for data export or printer connection.

Important measurement considerations

Conductivity measurement depends on the electrode cell constant, temperature compensation settings, calibration standard condition, sample matrix and cleanliness of the probe. For routine water analysis, the 1413 µS/cm standard is a practical calibration point, but the final method should define the expected conductivity range and acceptance criteria.

The supplied PRO6154 EC electrode and EHO5 stand make the instrument suitable for stable benchtop use. For more complex water chemistry, ultra-low conductivity, high-salinity samples or extensive documentation requirements, the configuration should be reviewed before quotation.

Method fit

Best for EC, TDS and temperature routines rather than advanced multiparameter analysis.

Documentation

50 results per parameter support simple GLP-style result retention.

Bench layout

A compact instrument footprint and electrode stand support clean benchtop workflows.

Product links, video placeholder and technical notice

Configure VIKING-EC200 for routine EC and TDS laboratory workflows

COLO.Science can support selection of conductivity meters, electrodes, calibration standards and accessories for water quality, QC, teaching and routine laboratory measurement.

Open product page | Benchtop conductivity meters | Electrochemical instruments

Request quotation | PDF version

COLO.Science

Laboratory equipment, technical specifications and product configuration.

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Recommended document links

- **Product page:** VIKING-EC200 product page
- **Category:** Benchtop conductivity meters
- **Electrochemistry page:** Electrochemical instruments
- **HTML path:** /wp-content/images/TechSpec/WaterQualityP/VIKING-EC200.html
- **PDF path:** /wp-content/images/TechSpec/WaterQualityP/VIKING-EC200.pdf

Video presentation · in preparation

A VIKING-EC200 product video is planned. It will present the display, calibration workflow, EC/TDS measurement routine, electrode connection and standard delivery configuration.

Temporary video placeholder: #viking-ec200-video

Replace this anchor with the final YouTube / product video URL when available.