

VIKING-EC110

Handheld Conductivity Meter · Conductivity / Temperature · MTC only

VIKING-EC110 handheld conductivity meter is a compact IP65 portable instrument for **conductivity and temperature-related water quality workflows**. The instrument is intended for routine conductivity checks, environmental monitoring support and industrial fluid control. It includes a backlit display, continuous reading mode, measuring / stable indicators, up to 200 stored results, rechargeable lithium battery operation and a 5-pin aviation connector.

Important technical distinction: VIKING-EC110 uses **manual temperature compensation (MTC)**. It should not be presented as an ATC instrument unless a later manufacturer-confirmed configuration states otherwise.

HANDHELD CONDUCTIVITY METER

CONDUCTIVITY

TEMPERATURE WORKFLOW

MTC ONLY

CONTINUOUS READING

1-POINT EC CALIBRATION

MEMORY 200

5-PIN AVIATION CONNECTOR

IP65

SKU PRO6064

Document type: **Technical Specification Sheet**

Product family: **Portable Electrochemistry / Water Quality Meter**

Product: **VIKING-EC110 Handheld Conductivity Meter**

Product code / SKU: **PRO6064**

Temperature compensation: **Manual Temperature Compensation — MTC only**

Format: **A4 landscape · COLO.Science TechSpec with navigation links**



VIKING-EC110 · handheld conductivity meter · main unit · MTC only · SKU PRO6064

MODEL

VIKING-EC110
Conductivity meter

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COLO.SCIENCE HOME

REQUEST QUOTE

WATER QUALITY KNOWLEDGE

VIKING-EC110 · technical specification

Handheld conductivity meter with manual temperature compensation

0.00 MS/CM TO 100 MS/CM

±1.0% FS

MTC ONLY

CONTINUOUS READING

UP TO 200 RESULTS

IP65

— Compact handheld platform for routine conductivity water-quality work

Product Overview

Application profile

Water quality laboratories: suitable for routine conductivity checks and basic water quality control.

Field measurement: portable IP65 format supports mobile water testing and quick site checks.

Industrial fluid control: useful for basic conductivity control in process water, rinse water and general QC workflows.

Education and training: suitable for conductivity theory, EC calibration standards and manual temperature compensation procedures.

Design and handling advantage

Backlit display: supports visibility in laboratory and field environments.

Simple reading workflow: continuous reading with Measuring / Stable indicators.

Compact field design: IP65 protection and rechargeable lithium battery support portable use.

Data handling: stores up to 200 results for practical review and routine measurement records.

Key features

Conductivity: 0.00 μ S/cm to 100 mS/cm with \pm 1.0% FS accuracy.

Calibration: up to 1-point EC calibration with recognized EC standards.

Temperature compensation: manual temperature compensation — MTC only.

Reading mode: continuous reading with Measuring / Stable indicators.

Memory: up to 200 stored results.

Connector: 5-pin aviation connector for conductivity probe configuration.

Protection: IP65 handheld format for field-ready work.

Core technical summary

Parameter	Specification
Product	VIKING-EC110 Handheld Conductivity Meter
SKU	PRO6064
Measured parameters	Conductivity / Temperature workflow
Conductivity range	0.00 μ S/cm to 100 mS/cm
Conductivity accuracy	\pm 1.0% FS
EC calibration	Up to 1 point
Temperature compensation	Manual — MTC only
Reading mode	Continuous
Memory	Up to 200 results
Protection	IP65

CONDUCTIVITY

0.00 μ S/cm to 100 mS/cm

COMPENSATION

MTC only

MEMORY

Up to 200 results

PROTECTION

IP65 waterproof

 Technical Specifications

Measurement ranges and performance

Parameter	Specification
Product	VIKING-EC110 Handheld Conductivity Meter
SKU	PRO6064
Measured parameters	Conductivity / Temperature workflow
Conductivity range	0.00 µS/cm to 100 mS/cm
Conductivity resolution	0.01 µS/cm minimum; resolution varies with range
Conductivity accuracy	±1.0% FS
Reference temperature	25°C
EC calibration points	Up to 1 point
Recognized EC standards	84 µS/cm, 1413 µS/cm, 12.88 mS/cm
Temperature compensation	Manual Temperature Compensation — MTC only
ATC availability	Not specified / not claimed for this model
Reading mode	Continuous
Reading indicators	Measuring / Stable
Result storage	Up to 200 results

System, connector and physical data

Parameter	Specification
Display features	Backlight, auto shut-down options
Auto shut-down	300, 600, 1200, 1800, 3600 s, or off
Electrode connector	5-pin aviation connector
Power supply	Rechargeable lithium battery + AC adapter
AC adapter	100–240 V input, DC 5 V output
IP protection	IP65
Dimensions	80 × 225 × 35 mm
Weight	400 g / 0.88 lb
Main unit image	PORT21EC-E.jpg
Optional case image	MULTIW2.jpg
Document type	A4 landscape technical specification
Support link	COLO.Science quotation support

MTC-only specification note

Manual compensation: EC110 should be documented as MTC only.

No ATC claim: do not list ATC in product pages, catalog fields, CTA tags or short descriptions for this model.

Selection logic: for automatic temperature compensation or broader EC/TDS/salinity/resistivity functions, select a higher VIKING EC model.

Technical values are provided for product selection and orientation. Final delivered configuration, electrode type, accessory set and documentation should be confirmed through the official COLO.Science quotation or manufacturer-confirmed offer.

 Standard Delivery, Optional Case and Visual Support



VIKING-EC110 · main unit · handheld conductivity meter · MTC only

Typical delivery and use profile

Main unit: VIKING-EC110 handheld conductivity meter, SKU PRO6064.

Measurement purpose: conductivity measurement for routine water quality, field and QC checks.

Calibration workflow: up to 1-point calibration using recognized EC standards.

Temperature compensation: manual temperature compensation only — MTC.

Operation: continuous reading with Measuring / Stable indicators.

Power: rechargeable lithium battery with AC adapter support.

Optional carrying case



Optional carrying case · protective kit configuration for field work

Important:

The carrying case image is used as an optional accessory reference. Final delivery set must be confirmed in the quotation.

Accessory status · optional, quotation-dependent

Configuration notice — optional accessories must be confirmed

VIKING-EC110 should be configured and quoted according to the expected conductivity range, calibration standard, probe configuration and field/laboratory use case. The optional carrying case may be offered as a kit accessory and should be confirmed before ordering.

 Selection and Use Notes

For EC measurement

Range: select EC110 for routine conductivity measurements up to 100 mS/cm.

Calibration: use recognized EC standards according to the expected measuring range.

For MTC operation

Manual setting: temperature compensation is manual and must be handled according to the measurement procedure.

No ATC assumption: do not classify EC110 as an automatic temperature compensation model.

For field work

Protection: IP65 housing supports portable laboratory and field use.

Optional kit: carrying case can support storage, transport and field measurement organization.

SUPPLIER AND SUPPORT

COLO.Science

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: Send the sample type, expected conductivity range, required calibration standard, manual temperature compensation workflow and field/laboratory use case. COLO.Science can help confirm whether VIKING-EC110 is the correct configuration or whether a higher VIKING EC model is required.

QUICK CONTACT

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 **Request VIKING-EC110 quotation**

COLO.SCIENCE · VIKING-EC110 CONDUCTIVITY METER SUPPORT

Need help selecting the correct conductivity meter configuration?

Send the sample matrix, expected conductivity range, calibration standard, MTC workflow and field or laboratory use case. COLO.Science can help confirm whether VIKING-EC110 is the correct handheld conductivity configuration for your workflow.

Request a quote

Water quality knowledge

COLO.Science home

Support page: [COLO.Science quotation and product selection support](#)

Official configuration and manufacturer-confirmed specification notice:

This technical specification is provided for orientation, product selection and general information only. It does not represent the final binding technical specification, delivered configuration, accessory set, procurement requirement or acceptance criterion for a specific unit. The final official technical specification is only the specification confirmed by the manufacturer and issued for the exact configuration through an official COLO.Science quotation, proforma invoice, contract document, order confirmation or manufacturer-approved technical offer. Any values, options, accessories or configurations shown in this document must be verified for the specific delivery and should not be used as an exclusion or elimination criterion in procurement procedures without written manufacturer confirmation.