

VIKING-EC210

Portable Conductivity / TDS Meter · EC / TDS / Temperature

VIKING-EC210 Portable Conductivity/TDS Meter is a compact IP65 field-ready meter for **conductivity, TDS and temperature** measurement. The instrument combines a 3.5" backlit LCD, EC calibration with standard recognition, ATC/MTC temperature compensation, Auto Read / Continuous reading modes, endpoint hold, 200 sets per parameter memory, rechargeable lithium battery and 5-pin aviation probe input in a portable water-quality format.

PORTABLE CONDUCTIVITY METER

EC

TDS

TEMPERATURE

3.5" LCD

ATC / MTC

ENDPOINT HOLD

MEMORY 200

IP65

SKU PRO6063

Document type: **Technical Specification Sheet**

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

Product: **VIKING-EC210 Portable Conductivity/TDS Meter**

Product code / SKU: **PRO6063**

Supplied EC electrode: **PRO6154**

Product page: **EC210 handheld conductivity meter**

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



VIKING-EC210 · portable conductivity / TDS / temperature meter · main unit · SKU PRO6063

MODEL

VIKING-EC210
Conductivity / TDS

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COLO.SCIENCE HOME

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PRODUCT PAGE

WATER QUALITY KNOWLEDGE

VIKING-EC210 · technical specification

Portable conductivity / TDS meter for EC, TDS and temperature measurement

0.00 MS/CM TO 200 MS/CM

TDS 0.00 PPM TO 300 PPT

TEMPERATURE -5 TO 110°C

ATC / MTC

MEMORY 200 SETS / PARAMETER

IP65

— Compact portable platform for routine conductivity and TDS water-quality work

Product Overview

Application profile

Water quality laboratories: suitable for conductivity and TDS checks in routine laboratory workflows.

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

Industrial QC: useful for process water, rinse water, raw water and general conductivity control.

Education and training: suitable for conductivity theory, TDS factor, cell constant and temperature compensation demonstrations.

Key features

Conductivity: 0.00 $\mu\text{S}/\text{cm}$ to 200 mS/cm with $\pm 1.0\%$ FS accuracy.

TDS: 0.00 ppm to 300 ppt with range-dependent resolution.

Temperature: -5 to 110°C with 0.1°C resolution and $\pm 0.2^\circ\text{C}$ accuracy.

Calibration: EC calibration with standard recognition for 84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$ and 12.88 mS/cm .

Compensation: ATC / MTC temperature compensation for routine conductivity measurement.

Power: rechargeable lithium battery with AC adapter support and selectable auto power-off.

Core technical summary

Parameter	Specification
Product	VIKING-EC210 Portable Conductivity / TDS Meter
SKU	PRO6063
Measured parameters	EC / TDS / Temperature
Display	3.5" backlit LCD
Conductivity range	0.00 $\mu\text{S}/\text{cm}$ to 200 mS/cm
Conductivity accuracy	$\pm 1.0\%$ FS
TDS range	0.00 ppm to 300 ppt
Temperature range	-5 to 110°C
Memory	200 sets per parameter
Protection	IP65

Design and handling advantage

Clear display: 3.5" backlit LCD supports laboratory and field operation.

Portable protection: IP65 waterproof protection, silicone protective case and wrist straps support mobile use.

Reading stability: Auto Read and Continuous reading with Reading / Stable / Locked prompts and endpoint hold.

Traceability: stores up to 200 sets per parameter for practical measurement records.

CONDUCTIVITY

0.00 $\mu\text{S}/\text{cm}$ to 200 mS/cm

TDS

0.00 ppm to 300 ppt

MEMORY

200 sets / parameter

PROTECTION

IP65 waterproof

Technical Specifications

Measurement ranges and performance

Parameter	Specification
Measured parameters	EC / TDS / Temperature
Conductivity range	0.00 μ S/cm to 200 mS/cm
Conductivity resolution	Minimum 0.01 μ S/cm; resolution varies with range
Conductivity accuracy	\pm 1.0% FS
Reference temperature	25°C
Conductivity calibration	1–3 point calibration
Standard recognition	84 μ S/cm, 1413 μ S/cm, 12.88 mS/cm
Cell constant	Settable
TDS range	0.00 ppm to 300 ppt
TDS resolution	Minimum 0.01 ppm; resolution varies with range
TDS accuracy	\pm 1.0% FS
Temperature range	–5 to 110°C
Temperature unit	°C
Temperature resolution	0.1°C
Temperature accuracy	\pm 0.2°C

System, compensation and physical data

Parameter	Specification
Product	VIKING-EC210 Portable Conductivity / TDS Meter
SKU	PRO6063
Display	3.5" LCD with backlight
Reading modes	Auto Read, Continuous
Reading prompts	Reading / Stable / Locked
Endpoint capture	Endpoint hold / locked reading support
Temperature compensation	ATC / MTC
Data storage	200 sets per parameter
Probe input	5-pin aviation connector, EC + temperature
Backlight	Yes
Auto power-off	300 / 600 / 1200 / 1800 / 3600 seconds, or off
Power supply	Rechargeable lithium battery; AC adapter 100–240 V input, DC 5 V output
Protection rating	IP65 — splash / spray protected, field-ready
Device dimensions	80 x 255 x 35 mm
Device weight	400 g / 0.88 lb

Specification note

Electrode condition: measurement quality depends on probe condition, calibration quality and correct cell constant setting.

Temperature stability: ATC/MTC settings should match the sample and measurement procedure.

Field use: IP65 housing, protective case and rechargeable battery support portable conductivity workflows.

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-EC210 · main unit · portable EC / TDS / temperature meter

Typical standard delivery

PRO6154 EC electrode: supplied conductivity electrode for EC, TDS and temperature-related water-quality measurements.

1413 µS/cm EC standard solution: 50 mL, 1 vial, for routine conductivity calibration.

Electrode holder: support accessory for stable electrode handling during bench measurements.

Silicone rubber case: protective cover for portable instrument use.

Wrist straps: practical handling support for field and mobile operation.

Power accessories: rechargeable lithium battery operation 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-EC210 standard delivery includes the EC electrode, calibration standard, electrode holder, silicone protective case and wrist straps. The carrying case may be offered as an optional accessory or kit configuration and should be confirmed before ordering.

 Selection and Use Notes

For EC measurement

Range: select EC210 for routine EC measurements up to 200 mS/cm.

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

For TDS measurement

TDS factor: confirm the required TDS conversion factor according to the laboratory method.

Sample matrix: verify whether EC/TDS is sufficient or whether salinity

For field work

Protection: IP65 housing and silicone case support mobile use.

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

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: Send the sample type, expected conductivity range, required EC/TDS workflow, field/laboratory use case and preferred calibration standards. COLO.Science can help confirm whether VIKING-EC210 is the correct configuration or whether a higher model with salinity / resistivity support is required.

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 [Request VIKING-EC210 quotation](#)

COLO.SCIENCE · VIKING-EC210 CONDUCTIVITY / TDS METER SUPPORT

Need help selecting the correct conductivity meter configuration?

Send the sample matrix, expected conductivity range, required EC/TDS parameters, calibration standard and field or laboratory use case. COLO.Science can help confirm whether VIKING-EC210 is the correct portable conductivity / TDS configuration for your workflow.

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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.