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LABORATORY EQUIPMENT

WATER QUALITY KNOWLEDGE

VIKING-PH310F

Portable pH / mV Meter · Temperature Measurement · 3-in-1 Electrode Kit

VIKING-PH310F Portable pH/mV Meter is a professional portable electrochemistry meter for accurate pH, mV and temperature measurement. The instrument combines a 3.5" backlit LCD, 1–5 point pH calibration, automatic buffer recognition, electrode diagnostics, GLP data functions, USB output, rechargeable Li battery and IP65 protection in a compact portable format.

PORTABLE PH METER

PH / MV

TEMPERATURE

3.5" LCD

±0.01 PH

5-POINT CALIBRATION

ATC / MTC

USB

GLP MEMORY

IP65

Document type: **Technical Specification Sheet**

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

Model: **VIKING-PH310F** · SKU: **PRO3567**

Product page: colo.si/product/viking-ph310f-portable-ph-temp-mv-with-3-in-1-electrode/

Format: **A4 landscape** · **COLO.Science TechSpec v2.4** with navigation links



VIKING-PH310F · portable pH / mV / temperature meter · main unit

MODEL / SKU

VIKING-PH310F
PRO3567

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PH KNOWLEDGE

VIKING-PH310F · technical specification

Portable meter for pH, mV and temperature measurement with 3-in-1 pH electrode

PH RANGE -2.00 TO 20.00

MV ±2000.0

TEMP. -5 TO 110°C

NIST / DIN / GB / USA

AUTO / TIMED / CONTINUOUS READ

— Portable pH and mV measurement for field and laboratory use

Product Overview

Application profile

Water quality: suitable for drinking water, wastewater, environmental samples and routine water monitoring.

Field and laboratory use: portable format with protective cover and carrying case for on-site and bench use.

Industrial sampling: supports pH, mV and temperature checks during process and quality control sampling.

Education and research: suitable for electrochemistry training, pH theory, millivolt measurement and calibration practice.

Design and handling advantage

Clear display: 3.5" backlit LCD for measurement display, calibration status and routine operation.

Portable protection: silicone protective cover, wrist strap and carrying case support practical mobile operation.

Calibration control: 1–5 point pH calibration with automatic buffer recognition and selectable buffer groups.

Traceability: GLP functions and internal memory support measurement record management in routine QC workflows.

Key features

pH measurement: -2.00 to 20.00 pH range, 0.1 / 0.01 pH resolution and ±0.01 pH accuracy.

mV measurement: -2000.0 to 2000.0 mV range with 0.1 mV resolution.

Temperature measurement: -5 to 110°C range with ATC / MTC temperature compensation.

Measurement modes: Auto-Read, Timed-Read and Continuous-Read with Auto-Hold endpoint support.

Connectivity: USB output for simplified data transfer and reporting.

Protection: IP65 housing and rechargeable Li battery for portable operation.

Core technical summary

Parameter	Specification
Model	VIKING-PH310F
SKU	PRO3567
Instrument type	Portable pH / mV meter with temperature measurement
Display	3.5" LCD with backlight
pH range	-2.00 to 20.00 pH
pH accuracy	±0.01 pH
mV range	-2000.0 to 2000.0 mV
Temperature range	-5 to 110°C
Data logging	500 results per parameter · GLP functions
Protection	IP65

PH ACCURACY

±0.01 pH

CALIBRATION

1–5 points

DATA MEMORY

500 results / parameter

PROTECTION

IP65

Technical Specifications

Measurement ranges and performance

Parameter	Specification
pH range	-2.00 to 20.00 pH
pH resolution	0.1 / 0.01 pH
pH accuracy	±0.01 pH
pH calibration	1–5 points
Buffer recognition	Automatic buffer recognition
Buffer groups	NIST, DIN, GB, USA; user-defined buffers supported
mV range	-2000.0 to 2000.0 mV
mV resolution	0.1 mV
mV accuracy	±0.3 mV or ±0.1% FS
Temperature range	-5 to 110°C / 23 to 230°F
Temperature units	°C, °F
Temperature resolution	0.1
Temperature accuracy	±0.2°C
Temperature compensation	ATC / MTC

Measurement and reading modes

Function	Technical note
Auto-Read	Fast / Medium / Slow reading stability options.
Timed Read	Timed reading mode for scheduled measurement intervals.
Continuous Read	Continuous measurement display for real-time monitoring.
Reading prompts	Reading / Stable / Locked prompts.
Endpoint capture	Auto-Hold function for endpoint detection and locking.

System, data and connectivity

Parameter	Specification
Display	3.5" LCD with backlight.
Electrode diagnostics	Automatic electrode diagnostics with pH slope and offset display.
Data capacity	500 results per parameter.
GLP support	GLP functions with date and time record support.
pH electrode input	BNC / Q9 connector.
Temperature probe input	4-pin aviation connector.
Output	USB output for transfer and reporting.
Auto shutdown	300 / 600 / 1200 / 1800 / 3600 seconds, or off.
Power supply	Rechargeable Li battery; AC adapter 100–240 V AC input, 5 V DC output.
Protection rating	IP65 housing.
Dimensions	80 × 255 × 35 mm.
Weight	Approx. 400 g.
Product page	Open VIKING-PH310F product page
Expected PDF	Open VIKING-PH310F PDF

Specification note

Electrode selection: final configuration should match the sample matrix, required pH range and temperature conditions.

Calibration: buffer group should match the laboratory procedure and reporting standard.

Field use: carrying case, wrist strap, protective cover and rechargeable battery support portable measurement 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, Accessories and Visual Support



VIKING-PH310F · carrying case and accessories

Typical standard delivery

PRO4153 3-in-1 composite pH electrode: supplied for routine pH, mV and temperature measurement workflows.

NIST pH buffer solutions: pH 4.01, 7.00 and 10.01; 50 mL per bottle.

Electrode holder: support accessory for stable electrode handling.

Protective cover: silicone protective cover and wrist strap for portable use.

Carrying case: protective storage and transport case for field and laboratory use.

Product image references



Main unit · portable pH / mV / temperature meter



Carrying case · accessories and standard kit

Navigation note — this specification is linked back to COLO.Science

This technical specification contains direct links to the product page, quotation request page, COLO.Science home page and water-quality knowledge area. If a user opens this document directly from Google or on a mobile device, the page remains connected to the main website and quotation path.

Selection and Use Notes

For water quality

Routine pH: select appropriate buffers and electrode maintenance procedure.

mV measurement: confirm method and reporting requirement where millivolt readings are used.

For field work

Protection: use carrying case, wrist strap and protective cover during transport and field sampling.

Power: confirm battery charging before extended on-site measurement sessions.

For GLP workflows

Traceability: use date/time logging and review stored readings for measurement records.

Calibration: document buffer group, calibration points and electrode condition.

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MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: Send the sample type, required pH range, temperature range, field/laboratory use case and preferred electrode configuration. COLO.Science can help confirm the correct VIKING-PH310F configuration and accessory set for your measurement workflow.

QUICK CONTACT

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 [VIKING-PH310F product page](#)

COLO.SCIENCE · VIKING-PH310F PORTABLE PH / MV METER SUPPORT

Need help selecting the correct portable pH meter configuration?

Send the sample matrix, required measurement parameters, calibration standard, electrode type and expected field or laboratory use. COLO.Science can help confirm whether VIKING-PH310F is the correct configuration for your water quality, environmental or QA/QC workflow.

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Official configuration and manufacturer-confirmed specification notice:

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