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# VIKING-PH310T

Portable pH / mV Meter · Temperature Measurement · Touch Screen Operation

**VIKING-PH310T Portable pH/mV Meter** is a professional portable electrochemistry meter for accurate pH, mV and temperature measurement. The instrument combines a 4.3" color touchscreen, 1–5 point pH calibration, automatic buffer recognition, electrode diagnostics, GLP-compliant data logging, USB connectivity, rechargeable Li battery and IP65 protection in a compact portable format.

PORTABLE PH METER

PH / MV

TEMPERATURE

4.3" TOUCHSCREEN

±0.01 PH

5-POINT CALIBRATION

ATC / MTC

USB

GLP-COMPLIANT

IP65

Document type: **Technical Specification Sheet**

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

Model: **VIKING-PH310T** · SKU: **PRO5388**

Product page: [colo.si/product/viking-310t-portable-ph-meter/](http://colo.si/product/viking-310t-portable-ph-meter/)

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



VIKING-PH310T · portable pH / mV / temperature meter · main instrument

MODEL / SKU

**VIKING-PH310T**  
**PRO5388**

ADDRESS / HQ

**Polje ob Sotli 4**  
**SI-3255, Slovenia**

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PH KNOWLEDGE

# VIKING-PH310T · technical specification

Portable touchscreen meter for pH, mV and temperature measurement

PH RANGE -2.00 TO 20.00

MV ±2000.0

TEMP. -5 TO 110°C

NIST / DIN / GB / USA

AUTO / TIMED / CONTINUOUS READ

— Reliable 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 case 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

**Touchscreen interface:** 4.3" color high-contrast LCD touchscreen for parameter setup, calibration, measurement and data review.

**Portable protection:** silicone rubber protective case, wristbands and carrying case support practical mobile operation.

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

**Data traceability:** GLP-compliant data logging with date and time for measurement and calibration record management.

### 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 PC or printer.

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

### Core technical summary

Parameter	Specification
Model	VIKING-PH310T
SKU	PRO5388
Instrument type	Portable pH / mV meter with temperature measurement
Display	4.3" color high-contrast LCD touchscreen
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	1000 data groups per parameter · GLP-compliant
Protection	IP65

PH ACCURACY

±0.01 pH

CALIBRATION

1–5 points

DATA MEMORY

1000 groups / 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; custom 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	4.3" color high-contrast LCD touchscreen with backlight.
Electrode diagnostics	Automatic electrode diagnostics with pH slope and offset display.
Data capacity	1000 data groups per parameter.
GLP support	GLP-compliant logging with date and time stamp.
pH electrode input	BNC / Q9 connector.
Temperature probe input	4-pin aviation connector.
Output	USB output for PC or printer.
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 waterproof housing.
Dimensions	90 × 255 × 40 mm.
Weight	Approx. 500 g / 1.1 lb.
Product page	<a href="#">Open VIKING-PH310T product page</a>
PDF catalog	<a href="#">Open VIKING-310T PDF</a>

#### 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, protective case 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-PH310T · carrying case and accessories

### Typical standard delivery

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

**NIST pH standard solutions:** pH 4.01, 7.00 and 10.01; 50 mL per vial.

**Electrode holder:** support accessory for stable electrode handling.

**Protective case:** silicone rubber protective case with wristbands.

**Touch pen:** accessory for touchscreen operation.

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

### Product image references



Main instrument · 4.3" touchscreen portable 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, wristband and protective case 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-PH310T configuration and accessory set for your measurement workflow.

QUICK CONTACT

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COLO.SCIENCE · VIKING-PH310T 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-PH310T 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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