

VIKING-DO310

Portable DO Meter • DO (mg/L) / Saturation / Temperature • 3.5" LCD • Polarographic • IP65 • GLP

VIKING-DO310 Portable DO Meter is a professional portable dissolved oxygen meter with a 0–50 mg/L range, GLP data memory and USB output for field and laboratory work. It combines a 3.5" backlit LCD, DO measurement from 0.00 to 50.00 mg/L (± 0.10 mg/L), saturation 0.0–300.0 %, air-saturated water or zero-oxygen calibration, barometric and salinity correction, a 500-result memory (GLP), USB connectivity and IP65 protection.

PORTABLE DO METER DO (MG/L) SATURATION TEMPERATURE 3.5" LCD ± 0.10 MG/L

POLAROGRAPHIC ATC / MTC GLP USB IP65

Document type: **Technical Specification Sheet**

Product: **VIKING-DO310 Portable DO Meter**

SKU: **PRO3164**

Format: **A4 landscape • 5 pages**

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VIKING-DO310 • Portable DO Meter

VIKING-DO310

Portable DO Meter

Operation guide

Installation • Calibration • Measurement • Maintenance



▶ [Watch the operation video \(4:31\) • installation, settings, calibration and DO measurement](#)

MODEL / SKU

**VIKING-DO310
PRO3164**

ADDRESS / HQ

**Polje ob Sotli 4
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CONTACT

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VIKING-DO310 • technical specification

Professional portable meter for DO, saturation and temperature

DO 0.00...50.00 MG/L

±0.10 MG/L

SATURATION 0.0–300.0 %

POLAROGRAPHIC

IP65

— Reliable dissolved oxygen measurement for field and laboratory use

Product Overview

Application profile

Wastewater treatment: aeration control, activated sludge and effluent checks.

Aquaculture and environment: fish farms, rivers, lakes and monitoring points.

Field and on-site: compact IP65 housing for sampling points and plants.

Food, beverages and process water: oxygen in process water, fermentation and quality control.

Key features

DO: 0.00 to 50.00 mg/L, ±0.10 mg/L.

Saturation: 0.0–300.0 %, 0.1 %, ±2.0 %.

Calibration: Air-saturated water or zero oxygen.

Temperature: –5 to 110 °C / 23 to 230 °F, ±0.2 °C, ATC / MTC.

Reading modes: AutoRead (fast / medium / slow), timed, continuous.

Connection: 4-pin DO electrode input; USB.

Core technical summary

Parameter	Specification
Model	VIKING-DO310
SKU	PRO3164
Instrument type	Portable DO Meter
Sensor type	Polarographic
Display	3.5" LCD with backlight
DO range	0.00 to 50.00 mg/L
DO accuracy	±0.10 mg/L
Saturation range	0.0–300.0 %
Data memory	500 results (GLP)
Protection	IP65

Design and handling advantage

Clear display: 3.5" LCD with backlight with Reading / Stable / Locked prompts.

Sensor: polarographic electrode with replaceable membrane and refillable electrolyte.

Corrections: barometric pressure and salinity factor for accurate mg/L in any sample.

Data traceability: 500 results stored per parameter with date, time and GLP records.

DO ACCURACY

±0.10 mg/L

SATURATION RANGE

0.0–300.0 %

DATA MEMORY

500 results

PROTECTION

IP65

Technical values are provided for product selection. The delivered configuration, electrode type and accessory set are confirmed in the official COLO.Science quotation.

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Technical Parameters

Parameter	Specification	Parameter	Specification
Sensor type	Polarographic	Temperature compensation	ATC / MTC
DO range	0.00 to 50.00 mg/L	Reading modes	AutoRead (fast / medium / slow), timed, continuous
DO resolution	0.01 mg/L	Reading prompts	Reading, Stable, Locked
DO accuracy	±0.10 mg/L	Display	3.5" LCD with backlight
Saturation range	0.0–300.0 %	Data memory	500 results per parameter, GLP
Saturation accuracy	±2.0 %	Electrode input	4-pin connector (DO + temperature)
Units	mg/L (ppm), %	Outputs	USB (PC, printer)
Calibration	Air-saturated water or zero oxygen	Auto power-off	300 / 600 / 1200 / 1800 / 3600 s or off
Pressure	Barometric pressure compensation	Power supply	Rechargeable Li battery; adapter 100–240 V AC / 5 V DC
Salinity correction	Manual salinity factor correction	Protection	IP65
Temperature range	–5 to 110 °C / 23 to 230 °F	Dimensions	80 × 225 × 35 mm
Temperature accuracy	±0.2 °C	Weight	approx. 400 g

Specification notes

Calibration: calibrate in water-saturated air or air-saturated water; add a zero-oxygen point for low DO values.

Corrections: enter the local air pressure and the sample salinity so that mg/L is calculated correctly.

Sensor care: replace the membrane and electrolyte when the response slows or calibration fails — see page 4.

Higher model: for more range, memory or connectivity see VIKING-DO510.

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Electrodes and Accessories



PRO6163

Polarographic DO electrode DO-958-Q

DO + temperature, 0–20 mg/L (0–50 mg/L on dedicated meters), ABS body, 5–40 °C, $\Phi 12 \times 120$ mm, 4-pin connector, 1 m cable.

Standard delivery



DO electrode kit

Zero-oxygen calibration solution, electrolyte and 3 membrane caps, supplied with the polarographic electrode.

Standard delivery



Silicone protective case and wristband

Shock-absorbing silicone sleeve and wristband for safe one-hand field use.

Standard delivery



PRO7006

Carrying case

Protective case for the meter, electrode and buffers in field use.

Standard delivery



PRO6998

Thermal printer 771000

Prints measurement and calibration records (GLP).

Optional

More electrodes and accessories

SKU	Item	Use	Status
—	DO electrode filling solution, 100 mL	Electrode maintenance	Optional
—	DO electrode membrane cap	Electrode maintenance	Optional
—	Zero-oxygen calibration powder (100 mL)	Zero-point calibration	Optional

The Polarographic DO electrode DO-958-Q (PRO6163) connects to the 4-pin input and also measures temperature. The electrode is supplied with zero-oxygen calibration solution, electrolyte and 3 membrane caps; further filling solution, membranes and zero-oxygen powder are available as consumables. Standard delivery is confirmed in the quotation.

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VIKING-DO310 standard delivery: meter, DO electrode, electrode holder, silicone case, wristband and carrying case

Ordering information

Item	Value
Model	VIKING-DO310
SKU	PRO3164
Instrument type	Portable DO Meter
Standard electrode	Polarographic DO electrode DO-958-Q (PRO6163)
Electrode kit	zero-oxygen solution, electrolyte, 3 membrane caps
Also included	electrode holder, silicone case, wristband, carrying case
Power supply	Li battery + 5 V DC adapter

Configuration checklist

Sample type: wastewater, surface water, aquaculture, BOD bottles, process water.

Range: expected DO and saturation (supersaturated samples need a wider range).

Sensor: polarographic (low cost) or optical (low maintenance).

Documentation: memory, GLP records, USB export or printer.

Need more?: see VIKING-DO510.

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: VIKING-DO310 suits users who need a wider range (0–50 mg/L), timed readings and GLP records with USB export in a compact portable meter. COLO.Science helps you choose the electrode and consumables.

QUICK CONTACT

 colo.si

 sales@colo.si

 +386 70 713 437

 [Watch the operation video](#)

COLO.SCIENCE • DO METER CONFIGURATION SUPPORT

Need help choosing the right DO meter or electrode?

Tell us the sample type, the expected oxygen level and how you document results. COLO.Science will confirm the electrode, consumables and VIKING-DO310 configuration for your workflow.

Web: colo.si

Ask us:

Price and current discount, delivery time, electrode selection for your sample, calibration standards, installation and operator training, spare electrodes and accessories — write to sales@colo.si or call us.

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