

VIKING-DO500

Benchtop DO Meter • DO (mg/L) / Saturation / Temperature • 7.0" touchscreen • Polarographic • IP54 • GLP

VIKING-DO500 Benchtop DO Meter is a research-grade benchtop touchscreen dissolved oxygen meter with 1000-result GLP memory, user and log management, calibration reminder, USB 2.0 and RS-232. It combines a 7.0" colour touchscreen, DO measurement from 0.00 to 99.99 mg/L (± 0.10 mg/L), saturation 0.0–600.0 %, air-saturated water or zero-oxygen calibration, barometric and salinity correction, a 1000-result memory (GLP), USB and RS-232 connectivity and IP54 protection.

BENCHTOP DO METER

DO (MG/L)

SATURATION

TEMPERATURE

7.0" TOUCHSCREEN

± 0.10 MG/L

POLAROGRAPHIC

ATC / MTC

GLP

USB

IP54

Document type: **Technical Specification Sheet**

Product: **VIKING-DO500 Benchtop DO Meter**

SKU: **PRO3167**

Format: **A4 landscape • 5 pages**

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VIKING-DO500 • Benchtop DO Meter



VIKING-DO500

Benchtop DO Meter

Operation guide

Installation • Calibration • Measurement • Maintenance

► [Watch the operation video \(4:54\) • installation, settings, calibration and DO measurement](#)

MODEL / SKU

**VIKING-DO500
PRO3167**

ADDRESS / HQ

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VIKING-DO500 • technical specification

Research-grade benchtop touchscreen meter for DO, saturation and temperature

DO 0.00...99.99 MG/L

±0.10 MG/L

SATURATION 0.0–600.0 %

POLAROGRAPHIC

IP54

— Reliable dissolved oxygen measurement for the laboratory

Product Overview

Application profile

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

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

BOD determination: oxygen in BOD bottles before and after incubation.

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

Key features

DO: 0.00 to 99.99 mg/L, ±0.10 mg/L (0.00–50.00 mg/L); ±0.50 mg/L (50.00–99.99 mg/L).

Saturation: 0.0–600.0 %, 0.1 %, ±2.0 %.

Calibration: Air-saturated water or zero oxygen, calibration reminder.

Temperature: –10 to 135 °C / 14 to 275 °F, ±0.1 °C, ATC / MTC.

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

Connection: 4-pin DO electrode input; USB 2.0, RS-232.

Core technical summary

Parameter	Specification
Model	VIKING-DO500
SKU	PRO3167
Instrument type	Benchtop DO Meter
Sensor type	Polarographic
Display	7.0" colour touchscreen
DO range	0.00 to 99.99 mg/L
DO accuracy	±0.10 mg/L
Saturation range	0.0–600.0 %
Data memory	1000 results (GLP)
Protection	IP54

Design and handling advantage

Clear display: 7.0" colour touchscreen with guided menus for measurement, calibration and data.

Sensor: polarographic electrode with replaceable membrane and refillable electrolyte.

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

Data traceability: 1000 results stored per parameter with date, time and GLP records.

DO ACCURACY

±0.10 mg/L

SATURATION RANGE

0.0–600.0 %

DATA MEMORY

1000 results

PROTECTION

IP54

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	Reading modes	AutoRead (fast / medium / slow), timed, continuous
DO range	0.00 to 99.99 mg/L	Reading prompts	Reading, Stable, Locked
DO resolution	0.01 mg/L	Display	7.0" colour touchscreen
DO accuracy	±0.10 mg/L (0.00–50.00 mg/L); ±0.50 mg/L (50.00–99.99 mg/L)	Data memory	1000 results per parameter, GLP
Saturation range	0.0–600.0 %	Management	Users, calibration, methods, GMP log
Saturation accuracy	±2.0 %	Electrode input	4-pin connector (DO + temperature)
Units	mg/L (ppm), %	Outputs	USB 2.0 (flash drive, PC, scanner), RS-232 (printer, autosampler)
Calibration	Air-saturated water or zero oxygen, calibration reminder	Auto power-off	1–60 min or off
Pressure	Barometric pressure compensation	Power supply	Power adapter, DC 24 V
Salinity correction	Manual salinity factor correction	Protection	IP54
Temperature range	–10 to 135 °C / 14 to 275 °F	Dimensions	220 × 195 × 68 mm
Temperature accuracy	±0.1 °C	Weight	approx. 950 g
Temperature compensation	ATC / MTC		

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-DO600.

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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



COLO-6

Electrode stand COLO-6

Electrode arm with 360° rotation and one-hand height adjustment; holds up to 4 electrodes.

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-DO500 standard delivery: meter, DO electrode, electrode stand COLO-6 and touch pen

Ordering information

Item	Value
Model	VIKING-DO500
SKU	PRO3167
Instrument type	Benchtop DO Meter
Standard electrode	Polarographic DO electrode DO-958-Q (PRO6163)
Electrode kit	zero-oxygen solution, electrolyte, 3 membrane caps
Also included	electrode stand COLO-6, touch pen
Power supply	Power adapter, DC 24 V

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-DO600.

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: VIKING-DO500 is the benchtop choice for regulated laboratories: touchscreen operation, user and log management, calibration reminder, barcode scanner, printer and autosampler connection. 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-DO500 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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