

VIKING-DO400

Benchtop DO Meter · Dissolved Oxygen / Temperature · DO Saturation

VIKING-DO400 laboratory DO meter is a bench-top dissolved oxygen meter for high-confidence measurement in water and wastewater, environmental laboratories, aquaculture, education and routine quality control. The instrument combines a bright **7.0" LCD**, **Auto-Read / Timed / Continuous** reading modes, ATC / MTC temperature compensation, auto-hold endpoint detection, GLP-compliant data storage and connectivity via USB and RS-232.

BENCHTOP DO METER

DO CONCENTRATION

DO SATURATION

TEMPERATURE

7.0" LCD

POLAROGRAPHIC SENSOR

AIR / ZERO CALIBRATION

BAROMETRIC COMPENSATION

SALINITY CORRECTION

USB / RS-232

GLP MEMORY

IP54

Document type: **Technical Specification Sheet**

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

Model: **VIKING-DO400** · SKU: **PRO3172**

Product page: colo.si/en/product/viking-do400-benchtop-do-meter/

Expected datasheet: [wp-content/images/TechSpec/WaterQualityP/VIKING-DO400.pdf](#)

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



VIKING-DO400 · benchtop dissolved oxygen / temperature meter · main unit

MODEL / SKU

VIKING-DO400
PRO3172

ADDRESS / HQ

Polje ob Sotli 4
SI-3255, Slovenia

CONTACT

sales@colo.si
+386 64 222 724

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DISSOLVED OXYGEN KNOWLEDGE

VIKING-DO400 · technical specification

Laboratory DO meter for dissolved oxygen concentration, saturation and temperature measurement

DO 0.00–99.99 PPM

SATURATION 0.0–600.0%

TEMP. -10.0 TO 135.0°C

500 RESULTS / PARAMETER

IP54

— Benchtop DO measurement for water quality laboratories and routine monitoring

Product Overview

Application profile

Water and wastewater: suitable for dissolved oxygen checks in wastewater treatment, process water and routine water quality control.

Environmental laboratories: supports DO concentration, DO saturation and temperature monitoring in environmental sample workflows.

Aquaculture and biology: useful for oxygen monitoring in aquaculture, aquatic life studies, incubation water and education labs.

Routine QC: bench-top format, stable reading prompts and GLP memory support repeatable daily measurement routines.

Design and handling advantage

Clear operation: 7.0" high-resolution LCD with backlight supports easy reading of measurement status and results.

Reading control: Auto-Read, Timed-Read and Continuous-Read modes allow flexible measurement procedures.

Endpoint support: auto-hold endpoint detection and Reading / Stable / Locked prompts help reduce operator variability.

Compensation: ATC / MTC, automatic barometric pressure compensation and manual salinity factor correction improve measurement reliability.

Key features

Sensor type: polarographic dissolved oxygen electrode.

DO concentration: 0.00–99.99 ppm with 0.01 ppm resolution.

DO saturation: 0.0–600.0% range with 0.1% resolution.

Calibration: air-saturated water or zero oxygen point calibration.

Data management: 500 results per parameter with date/time and GLP features.

Connectivity: USB for PC connection and RS-232 for printer output.

Core technical summary

Parameter	Specification
Model	VIKING-DO400
SKU	PRO3172
Instrument type	Benchtop dissolved oxygen / temperature meter
Display	7.0" LCD with backlight
Sensor type	Polarographic DO sensor
DO concentration range	0.00–99.99 ppm
DO saturation range	0.0–600.0%
Temperature range	-10.0 to 135.0°C / 14.0 to 275.0°F
Data logging	500 results per parameter · GLP features
Protection	IP54

DO CONCENTRATION

0.00–99.99 ppm

DO SATURATION

0.0–600.0%

DATA MEMORY

500 results / parameter

CONNECTIVITY

USB + RS-232

Technical Specifications

DO concentration, saturation and temperature

Parameter	Specification
Model	VIKING-DO400
Measurement parameters	Dissolved Oxygen / Temperature (DO Saturation)
Sensor type	Polarographic
DO concentration range	0.00–99.99 ppm
DO concentration resolution	0.01 ppm
DO concentration accuracy	±0.10 ppm (0.00–50.00 ppm); ±0.50 ppm (50.0–99.99 ppm)
DO calibration points	Air-saturated water or zero point
Barometric compensation	Yes · automatic
Manual salinity factor correction	Yes
DO saturation range	0.0–600.0%
DO saturation resolution	0.1%
DO saturation accuracy	±2.0%
Temperature range	-10.0 to 135.0°C / 14.0 to 275.0°F
Temperature units	°C, °F
Temperature resolution	0.1
Temperature accuracy	±0.1°C

Measurement and reading modes

Function	Technical note
Reading mode	Auto Read (Fast, Medium, Slow), Timed Read and Continuous Read.
Reading prompts	Reading, Stable and Locked prompts for measurement status.
Endpoint capture	Auto-hold endpoint detection.
Temperature compensation	ATC / MTC.

System, data and connectivity

Parameter	Specification
Display	7.0" high-resolution LCD display with backlight.
Data storage	500 results per parameter.
GLP features	Yes · date/time supported.
DO with temperature probe input	4-pin aviation connector.
USB	PC connection.
RS-232	Printer connection.
Selectable pressure units	kPa, mbar, Torr, Atm.
Factory reset	Restore default settings.
Auto shutdown	1–60 min; Off.
IP rating	IP54 splash / dust protection.
Power supply	AC adapter, 100–240 V AC input, DC 20 V output.
Dimensions	242 × 195 × 68 mm.
Net weight	900 g / 1.98 lb.
Carton dimensions	370 × 320 × 220 mm.
Shipping weight	2.5 kg.
Product page	Open VIKING-DO400 product page
Expected PDF	Open VIKING-DO400 PDF

Specification note

Calibration: use air-saturated water or zero oxygen calibration according to the laboratory method and sample type.

Compensation: verify barometric pressure and salinity settings for samples where pressure or salinity may influence DO readings.

Probe handling: maintain membrane caps and electrolyte according to the current user manual and service procedure.

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WATER QUALITY KNOWLEDGE

Standard Delivery and Application Notes



VIKING-DO400 · benchtop DO meter for DO concentration, saturation and temperature

Included in the box

Item	Technical note
DO electrode	Polarographic DO electrode PRO6163 .
Calibration and maintenance set	Zero oxygen calibration solution, DO electrolyte and 3 × membrane caps.
Electrode stand	EHO-5 electrode stand.
Power supply	AC adapter, 100–240 V AC input, DC 20 V output.
Data output	USB / PC connection and RS-232 printer output supported by the instrument.

Operational advantages

Air / zero calibration: supports routine calibration in air-saturated water or at zero oxygen.

Environmental correction: automatic barometric compensation and manual salinity factor correction support realistic sample conditions.

Traceable data: GLP memory with date/time supports result review and reporting.

Connectivity: USB for PC workflows and RS-232 for printer-based lab documentation.

Typical use areas

Water quality laboratories: dissolved oxygen measurement in routine sample analysis.

Wastewater: DO checks in treatment processes and control points.

Aquaculture: oxygen monitoring in tanks, basins and aquatic environments.

Measurement control

Auto Read: Fast, Medium and Slow stability options.

Timed Read: structured measurement interval workflow.

Continuous Read: real-time monitoring during changing sample conditions.

Linked resources

Product: [VIKING-DO400 on colo.si](#)

PDF: [expected PDF datasheet path](#)

Knowledge: [Understanding dissolved oxygen](#)

Configuration notice — delivery depends on selected options

DO meters may be delivered in different configurations depending on the application, selected electrode, maintenance set and regional package. The official quotation and manufacturer-confirmed specification define the exact delivered configuration, included components and available options. Content shown in this technical sheet is provided for general informational purposes only and may not represent the final delivered configuration. **Specifications may change without notice.**

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✓ Selection Summary

RECOMMENDED FOR

Bench-top dissolved oxygen analysis in water quality laboratories

VIKING-DO400 is suitable when a laboratory requires DO concentration, DO saturation and temperature measurement with GLP data storage, 7.0" LCD display, USB / RS-232 outputs, automatic barometric compensation and manual salinity correction.

QUICK TECHNICAL IDENTITY

Model: VIKING-DO400

SKU: PRO3172

DO range: 0.00–99.99 ppm

Saturation: 0.0–600.0%

Display: 7.0" LCD

Protection: IP54

COLO.SCIENCE · LABORATORY WATER QUALITY EQUIPMENT

Need a confirmed configuration for VIKING-DO400?

Contact COLO.Science for a manufacturer-confirmed quotation, exact delivery configuration, compatible DO electrode package, maintenance consumables and official technical specification for your procurement or laboratory documentation.

Request quotation

Open product page

Open PDF datasheet

COLO Lab Experts · Polje ob Sotli 4, SI-3255, Slovenia · www.colo.si · sales@colo.si · +386 64 222 724

Informational technical specification and manufacturer-confirmed specification notice:

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