

REQUEST QUOTE

COLO.SCIENCE HOME

WATER QUALITY KNOWLEDGE

PDF DATASHEET

# VIKING-DO600

## Benchtop DO / DO Saturation / Temperature Meter with 7.0" Touchscreen

**VIKING-DO600 Benchtop DO Meter** is a laboratory dissolved oxygen instrument for **DO concentration, DO saturation and temperature**. The system combines a 7.0" color high-contrast LCD touchscreen, intelligent operating system, GLP-compliant data storage, USB and RS-232 communication, automatic barometric pressure compensation and manual salinity correction for routine water-quality and process-laboratory workflows.

BENCHTOP DO METER

DO 0.00–99.99 MG/L

DO ±0.1 MG/L

SATURATION 0.0–600%

POLAROGRAPHIC SENSOR

7.0" TOUCHSCREEN

ATC / MTC

AUTO BAROMETRIC COMPENSATION

MANUAL SALINITY CORRECTION

GLP 1000 SETS

USB + RS-232

IP54

Document type: **Technical Specification Sheet**

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

Model: **VIKING-DO600** · SKU: **PRO3171**

HTML datasheet: [colo.si/wp-content/images/TechSpec/WaterQualityP/VIKING-DO600.html](http://colo.si/wp-content/images/TechSpec/WaterQualityP/VIKING-DO600.html)

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



VIKING-DO600 · benchtop dissolved oxygen / DO saturation / temperature meter · main unit

MODEL / SKU

**VIKING-DO600**  
**PRO3171**

ADDRESS / HQ

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

CONTACT

**sales@colo.si**  
**+386 64 222 724**

REQUEST QUOTE

COLO.SCIENCE HOME

WATER QUALITY KNOWLEDGE

PDF DATASHEET

# VIKING-DO600 · technical specification

Benchtop dissolved oxygen meter for DO concentration, DO saturation and temperature

DO ±0.1 MG/L
0.00–99.99 MG/L
SATURATION 0.0–600%
TEMP. -5 TO 130 °C
 — Laboratory DO workflow with barometric and salinity correction

## Product Overview

### Application profile

**Dissolved oxygen:** designed for DO concentration, DO saturation and temperature measurements in water-quality and process-laboratory samples.

**Benchtop workflow:** 7.0" touchscreen, electrode stand and laboratory power supply support structured routine work.

**Compensation control:** automatic barometric pressure compensation and manual salinity factor correction support practical DO measurement conditions.

**Traceable QA/QC:** GLP-compliant memory, log management and data analysis functions support review, comparison and result documentation.

### Design and handling advantage

**Touchscreen operation:** intelligent operation system for user, calibration, method and data management.

**Reading modes:** auto-read, timed-read and continuous-read modes for different laboratory workflows.

**Endpoint control:** Reading, Stable and Locked prompts support repeatable DO recording.

**Connectivity:** USB and RS-232 outputs support PC, printer and flash-memory data workflows.

### Key features

**Parameters:** dissolved oxygen concentration, DO saturation and temperature.

**Sensor type:** polarographic DO electrode with temperature probe connection.

**DO performance:** 0.00 to 99.99 mg/L range, 0.01 mg/L resolution and ±0.1 mg/L accuracy.

**Calibration:** air-saturated water or zero oxygen calibration, with calibration reminder.

**System protection:** IP54 waterproof-rated benchtop housing for routine laboratory operation.

### Core technical summary

Parameter	Specification
Model	VIKING-DO600
SKU	PRO3171
Instrument type	Benchtop dissolved oxygen meter
Measured parameters	DO, temperature, DO saturation
Display	7.0" color high-contrast LCD touchscreen
Data storage	1000 sets per parameter; GLP-compliant
Inputs	DO with temperature probe, 6-pin Mini-DIN
Outputs	USB, RS-232; PC, printer, flash memory

**DO RANGE**  
 0.00–99.99 mg/L

**DO ACCURACY**  
 ±0.1 mg/L

**DATA MEMORY**  
 1000 sets / parameter

**PROTECTION**  
 IP54

## Dissolved Oxygen / DO Saturation Specifications

### DO concentration measurement

Parameter	Specification	Calibration / notes
Sensor type	Polarographic	DO electrode with temperature probe
DO range	0.00 to 99.99 mg/L	For dissolved oxygen concentration
DO resolution	0.01 mg/L	Laboratory display resolution
DO accuracy	±0.1 mg/L	According to instrument specification
Calibration points	Air-saturated water or zero point	Air-saturated water or zero oxygen calibration
Calibration reminder	Yes	Supports routine QA/QC workflow
Barometric compensation	Yes, automatic	Supports pressure-related DO correction
Salinity correction	Manual	Manual salinity factor correction
Pressure units	kPa, mbar, Torr, Atm	Selectable pressure units

### Reading and data workflow

Function	Technical note
Reading modes	Auto Read Fast / Medium / Slow, timed-read and continuous-read.
Reading prompts	Reading, Stable and Locked status prompts for practical endpoint control.
Data analysis	Review, compare and recalculate functions for measurement records.
Data management	1000 sets per parameter, GLP features and log management supported.

### DO saturation and temperature

Parameter	Specification	Notes
DO saturation range	0.0 to 600%	For oxygen saturation measurement
DO saturation resolution	0.10%	According to instrument specification
DO saturation accuracy	±10.0%	According to instrument specification
Temperature range	-5 to 130 °C	For temperature display / compensation
Temperature resolution	0.1 °C	Laboratory display resolution
Temperature accuracy	±0.1 °C	According to instrument specification
Temperature compensation	ATC, MTC	Automatic or manual compensation
Auto shutdown	1–60 min or off	Power-management setting



7.0" touchscreen benchtop DO workflow · calibration, method and data management

DO CALIBRATION

Air / zero point

COMPENSATION

Pressure / salinity

DATA

GLP 1000 sets

Technical values are provided for product selection and orientation. Final electrode type, calibration procedure, electrolyte/membrane configuration and accessory package should be confirmed through the official COLO.Science quotation or manufacturer-confirmed offer.

## Interface / System / Laboratory Workflow Specifications

### System and interface data

Parameter	Specification	Notes
Display	7.0" color high-contrast LCD touchscreen	Touchscreen operation
Operating system	Intelligent operation system	User, calibration, method and data management
Input	DO with Temp. Probe, 6-pin Mini-DIN	DO electrode connection
Outputs	USB, RS-232	PC, printer, flash memory
Backlight	Yes	Display visibility support
Date and time	Yes	Supports traceable records
Factory reset	Yes	Instrument reset function
Power supply	AC adapter, 100–240 V AC input, DC 24 V output	Benchtop laboratory power
Dimensions	280 × 280 × 130 mm	Main unit
Weight	2500 g / 5.51 lb	Main unit
IP rating	IP54	Waterproof-rated benchtop housing



Benchtop DO meter workflow · laboratory touchscreen instrument for dissolved oxygen measurement

### Workflow advantages

**DO-specific correction:** automatic barometric pressure compensation and manual salinity factor correction support practical dissolved oxygen workflows.

**Calibration control:** air-saturated water or zero oxygen calibration supports routine instrument preparation.

**Laboratory usability:** large 7.0" touchscreen, electrode stand and benchtop format support stable routine measurement at the bench.

**Data traceability:** GLP-compliant storage, log management and communication outputs support reporting and QA/QC documentation.

### Applications and industries

Area	Typical use
Water quality laboratories	DO concentration, saturation and temperature measurement in routine water testing.
Wastewater and process control	Laboratory checking of dissolved oxygen in treatment, aeration and process samples.
Environmental monitoring	Support for dissolved oxygen assessment in surface water, drinking water and field-collected samples.
Education and research	Bench-based DO teaching, method work and laboratory demonstrations.

### COLO.Science knowledge support

**Method support:** sample type, calibration approach, salinity correction and electrode maintenance should be reviewed before quotation.

**Knowledge hub:** water-quality articles and application notes are available on [COLO.Science Water Quality](#).

**Quotation workflow:** final kit contents, DO electrode, electrolyte, membranes and service accessories are confirmed in the official COLO.Science offer.



VIKING-DO600 main unit · final contents depend on selected configuration and quotation

#### Typical included items

**Main unit:** VIKING-DO600 benchtop dissolved oxygen meter.

**DO electrode:** DO electrode with calibration solution, electrolyte and 3 membrane covers.

**Electrode SKU:** DO electrode kit referenced as PRO6165.

**Bench accessories:** EHO-3 electrode stand for stable laboratory operation.

**Operation accessory:** touch pen for touchscreen workflow.

#### Electrode and consumable note

**Polarographic DO electrode:** requires correct electrolyte, membrane condition and calibration procedure for reliable results.

**Calibration:** air-saturated water or zero oxygen calibration should be selected according to the working method.

**Configuration control:** exact kit contents may vary by region, stock and selected options.

#### Configuration notice — delivery depends on selected options

Benchtop DO meters may be delivered in different configurations depending on electrode set, electrolyte, membrane covers, calibration accessories and regional stock. The official quotation or manufacturer-confirmed document defines the exact configuration, included components and available options for each model/variant. 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.**

COLO.SCIENCE · PRODUCT AND QUOTATION SUPPORT

### VIKING-DO600 Benchtop DO Meter

For dissolved oxygen electrode configuration, membrane/electrolyte consumables, calibration approach, documentation and official quotation, contact COLO.Science. Use the quotation link as the controlled navigation point from this technical document.

CONTACT

COLO d.o.o. · Polje ob Sotli 4 · SI-3255 · Slovenia

Email: [sales@colo.si](mailto:sales@colo.si)

Phone: +386 64 222 724

Website: [colo.si](http://colo.si)

NEXT STEP

## Configure VIKING-DO600 for your dissolved oxygen workflow

Confirm electrode kit, membrane covers, electrolyte, calibration procedure, data output needs and service accessories before purchase. COLO.Science can support selection for water-quality, wastewater, environmental and laboratory applications.

[Request quotation](#)

[Open HTML datasheet](#)

[Download PDF](#)

HTML technical sheet: <https://colo.si/wp-content/images/TechSpec/WaterQualityP/VIKING-DO600.html> · Knowledge hub: [COLO.Science Water Quality](#)