

TECHNICAL DATA SHEET

ALab™ DDOPRO10 Portable Optical Dissolved Oxygen Meter

Portable optical dissolved oxygen meter • fluorescence sensor • 3.5-inch TFT color display



ALab™ DDOPRO10 Portable Optical Dissolved Oxygen Meter

The ALab™ DDOPRO10 portable optical dissolved oxygen meter, angled view and front view.

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SECTION I

Product Overview

The ALab™ DDOPRO10 is a portable optical dissolved oxygen meter with accurate, fast and stable reading, no minimum flow rate request and no sensitivity to hydrogen sulfide.

Its fluorescence sensor needs no membranes, no electrolyte and no warm up and responds in less than 15 s; a 3.5-inch TFT color display shows the reading.

SECTION II

Core Advantages

- **Sensor** — optical, fluorescence
- **Maintenance** — no membrane, no electrolyte
- **Housing** — POM, steel guard
- **Response** — shorter than 15 s
- **Compensation** — temperature, barometric
- **Protection** — IP57

SECTION III

Specifications

Technical data — DDOPRO10

Specifications	
Brand	ALab™ by ACS Material
Model	DDOPRO10
SKU #	ALDD0100
Product Type	Portable optical dissolved oxygen meter
Display	3.5-inch TFT color display
Sensor technology	Fluorescence sensor technology; no membranes, no electrolyte, no warm up
Response time	Shorter than 15s
Housing	Robust POM housing with stainless-steel protective guard
Data storage	Up to 3000 groups
Protection class	IP57

Specifications

Specifications — DDOPRO10	
Parameter	Specification
Probe type	Optical type
DO: Measurement range	(0.00~20.00)mg/L
DO: Accuracy	±0.20 mg/L
DO: DO saturation	(0.0~200.0)%
DO: Automatic barometric pressure compensation	(0~200.0)kPa
DO: Automatic temperature compensation	(0.0~50.0)°C/(32.0~122.0)°F
DO: Manual salinity compensation	0~45ppt
Temperature: Measurement range	(0.0~100.0)°C/(32.0~212.0)°F
Temperature: Accuracy	±0.2°C
Others: Charging socket	Type-C
Others: Power supply	Rechargeable lithium battery
Others: IP Rating	IP57

Scope of delivery

- **Standard configuration:** ALab™ DDOPRO10 meter, optical DO probe ODO01-3M (cable length: 3 m), rechargeable lithium battery (pre-installed), charging cable (1 pc) and hard carrying case (1 pc).
- **Optional:** none listed. Specify further items separately in the quotation.

SECTION IV

Applications

Suited to dissolved oxygen measurement where no membranes, no electrolyte and no warm up are wanted.

Specifications are per the table above.

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