

PORTABLE DO METER KIT

REF: SX716



Apera SX716 is designed for lab-grade DO measurement (dissolved oxygen) in the field, suitable for general water solutions' applications such as water treatment, groundwater, surface water, environmental monitoring, aquaculture, aquarium, beverage making, etc.

Basic Features

- **Intelligent functions:** auto. calibration, auto. temperature compensation, self-diagnosis, data logging, auto. power off, and more.
- **Digital filter technology:** enhance the meter's response time and measurement accuracy
- **Automatic electrode recognition:** the meter automatically switches to the right parameter mode according to the connected electrode
- **Data logging:** 400 sets of data storage and recall

All the necessary accessories including replaceable caps, inner solution refill, and polishing papers are included in a rugged carrying case.

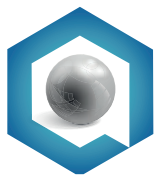
Complete Kit



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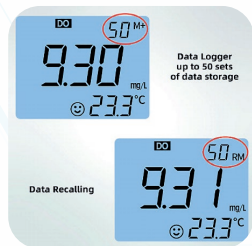
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Data Logger

Data logging and recalling function with 100 sets of data storage
Measurement Range: 0-20.00mg/L
Cable length: 2 meters Temperature unit: 30KΩ Thermistor



Automatic Compensation for Higher Accuracy

Automatic compensation for temperature and salinity.
Manual compensation for barometric pressure (altitude)



Waterproof 8-pin Connector



Replaceable membrane cap and built-in sensors

The DO electrode comes with a replaceable membrane cap and built-in temperature and salinity sensors for automatic compensation.



DO500 Polarographic DO Electrode

Equipped with Apera's proprietary 3-in-1 polarographic DO electrode for high accuracy and quick response. The DO500 Electrode comes with a calibration and storage sleeve along with 3 pieces of replacement membrane caps.



Easy Calibration

Easy calibration for saturated oxygen with the help of the calibration sleeve



IP57 waterproof

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Technical specifications

Parameters			Description
Measurement parameters	pH/mV		Not applicable
	ORP (electrode included)		
	Conductivity/TDS/Salinity/Resistivity		
	Dissolved Oxygen		✓
	Temperature		
pH	Range	-2.00 to 19.99 pH	Not applicable
	Accuracy	±0.01pH±1 digit	
	Automatic calibration	1-3 point	
	Temp. compensation range	0 to 100°C	
mV	Measuring Range	-1999 to 1999 mV	Not applicable
	Accuracy	±0.1% F.S	
Conductivity	Range	Conductivity: (0.00 to 19.99) µS; (20.0 to 199.9) µS; (200 to 1999) µS; (2.00 to 19.99) mS; (20.0 to 199.9) mS; TDS: (0 to 100) g/L; Salinity: (0 to 100) ppt; Resistivity: (0 to 100) MΩ	Not applicable
	Accuracy	±1.0%FS	
	Automatic calibration	1 point	
	Temp. compensation range	(0 to 50) °C	
	DO	Range	
Accuracy		± 0.30 mg/L	
Temp. compensation range		0 to 45°C (auto.)	
Salinity compensation range		0 to 45 ppt (auto.)	
Barometric pressure		(66 to 200) kPa (manual)	
Other	Data storage		100
	Power		AA batteries (1.5V x2)
	IP rating		IP57 Dustproof and waterproof
Size and weight	Meter		(65x120x31) mm/180g
	Small case (255x210x50)mm/790g		✓
	Big case (360x270x76) mm/ 1.7Kg		
Basic configuration	201T-S ATC pH electrode		Not applicable
	301Pt-S ORP combination electrode		
	2301T-S ATC conductivity electrode		
	DO500 Polarographic DO electrode		✓
	pH standard buffer solution (pH4.00, pH7.00 and pH10.01/50mL)		Not applicable
	222mV ORP standard buffer solution(50ml)		
	1413µS/cm conductivity standard solution (50mL)		