

DDOPro10

Optical DO

Accurate, fast and stable reading, no minimum flow rate request, not sensitive to hydrogen sulfide.

Features

- 3.5" TFT Color Display, user-friendly interface
- A robust POM housing and stainless-steel protective guard ensure durability when measuring in tough environments
- No membranes, no electrolyte, no warm up, minimize hassle
- Fast response (shorter than 15s), fluorescence sensor technology provides high accuracy and repeatability
- Intelligent function with Auto. timing datalogger, parameter setting, data hold
- Built-in temperature sensor, real-time temperature compensation
- Automatic barometric pressure compensation



Specifications-Single parameter

Model		DPH10	DORP10	DEC10	DDO10 <small>Polarographic Type</small>	DDOPR10 <small>Optical Type</small>	
Parameter	pH/mV.°C	✓	-	-	-	-	
	mV(ORP).°C	✓	✓	-	-	-	
	Cond/TDS/Sal./Res.°C	-	-	✓	-	-	
	DO	-	-	-	✓	✓	
pH	Measurement range	(-2.000-20.000) pH	✓	-	-	-	
	Resolution	0.1/0.01/0.001	✓	-	-	-	
	Accuracy	±0.002pH±one digit	✓	-	-	-	
	Calibration points	1, 2, -3pts automatic	✓	-	-	-	
	ATC range	(0.0-100.0) °C/(32.0-212.0)°F	✓	-	-	-	
ORP	Measurement range	(-1999.9 - +1999.9) mV	✓	✓	-	-	
	Resolution	0.1/1	✓	✓	-	-	
	Accuracy	±0.03%F.S±one digit	✓	✓	-	-	
Conductivity	Measurement range	0-2000.0mS/cm, auto-ranging: 0-19.999µS/cm; 20.0-199.9µS/cm; 200-1999µS/cm; 2.00-19.99mS/cm; 20.00-199.9mS/cm;200.0-2000mS/cm (K=10) Match test range: 0-200mS/cm TDS: 0 - 100.0g/L (TDS factor adjustable) Resistivity:5.000Ω · cm-100.0MΩ · cm Salinity: 0-100 ppt	-	-	✓	-	-
	Calibration points	one point	-	-	✓	-	
	Resolution	0.001/0.01/0.1/1	-	-	✓	-	
	ATC range	(0.0-50.0) °C/(32.0-122.0)°F	-	-	✓	-	
	Accuracy	±0.5 % FS±one digit	-	-	✓	-	
DO	Measurement range	(0.00-20.00) mg/L	-	-	-	✓	
	Accuracy	±0.30 mg/L	-	-	-	✓	
		±0.20 mg/L	-	-	-	-	✓
	DO saturation	(0.0-200.0)%	-	-	-	✓	✓
	Barometric pressure compensation	(0-200.0) kPa	-	-	-	✓	✓
	Temperature compensation	(0.0-50.0) °C/(32.0-122.0)°F	-	-	-	✓	✓
Salinity compensation	0~45ppt	-	-	-	✓	✓	
Temperature	Measurement range	(0.0-100.0) °C/(32.0-212.0)°F	✓	✓	✓	✓	
	Accuracy	±0.2°C	✓	✓	✓	✓	
Others	Charging socket	Type-C	✓	✓	✓	✓	
	Power supply	rechargeable lithium battery	✓	✓	✓	✓	
	IP Rating	IP57	✓	✓	✓	✓	
Test kit	Meter	✓	✓	✓	✓	✓	
	Plastic ATC pH probe D201T-H	✓	-	-	-	-	
	Plastic ORP probe DORP301	-	✓	-	-	-	
	Stainless-steel temperature probe DTEMP-02H	-	✓	-	-	-	
	Plastic ATC Cond probe DCON201T, K=1.0	-	-	✓	-	-	
	Polarographic DO probe DDO01-2M-H, cable length: 2m	-	-	-	✓	-	
	Optical DO probe DODO01-3M, cable length: 3m	-	-	-	-	✓	
	pH buffer solution: pH4.00/7.00/10.01, 50mL, one for each	✓	-	-	-	-	
	Standard ORP solution: 222mV, 50mL,1btl	-	✓	-	-	-	
	Standard Cond solution 84µS/1413µS/12.88mS/cm, 50mL, one for each	-	-	✓	-	-	
	Membrane refill solution DDOS-01, 30mL,1btl	-	-	-	✓	-	
	Membrane sensor caps DDOSC: 3pcs/group, 1pkg	-	-	-	✓	-	
	Rechargeable lithium battery (pre-installed)	✓	✓	✓	✓	✓	
	Charging cable: 1pc	✓	✓	✓	✓	✓	
	Hard carrying case (L/W/H: 33.0×27.2×8.2cm): 1pc	✓	✓	✓	✓	✓	
Operation manual	✓	✓	✓	✓	✓		

Specifications-Multiparameter

Model		DPC10	DPD10	DCD10	DPO10	DPCD10	
Parameter	pH/mV.°C	✓	✓	-	✓	✓	
	mV(ORP).°C	✓	✓	-	✓	✓	
	Cond/TDS/Sal./Res.°C	✓	-	✓	-	✓	
	DO	-	✓	✓	-	✓	
pH	Measurement range	(-2.000-20.000) pH	✓	✓	-	✓	
	Resolution	0.1/0.01/0.001	✓	✓	-	✓	
	Accuracy	±0.002pH± one digit	✓	✓	-	✓	
	Calibration points	1, 2, -3pts automatic	✓	✓	-	✓	
	ATC range	(0.0-100.0) °C/(32.0-212.0)°F	✓	✓	-	✓	
ORP	Measurement range	(-1999.9 - +1999.9) mV	✓	✓	-	✓	
	Resolution	0.1/1	✓	✓	-	✓	
	Accuracy	±0.03%F.S± one digit	✓	✓	-	✓	
Conductivity	Measurement range	0-2000.0mS/cm, auto-ranging: 0-19.999µS/cm; 20.0-199.9µS/cm; 200-1999µS/cm; 2.00-19.99mS/cm; 20.00~199.9mS/cm;200.0-2000mS/cm (K=10) Match test range: 0-200mS/cm TDS: 0 - 100.0g/L (TDS factor adjustable) Resistivity: 5.000Ω · cm~100.0MΩ · cm Salinity: 0-100ppt	✓	-	✓	-	✓
	Calibration points	one point	✓	-	✓	-	✓
	Resolution	0.001/0.01/0.1/1	✓	-	✓	-	✓
	ATC range	(0.0-50.0) °C/(32.0-122.0)°F	✓	-	✓	-	✓
	Accuracy	±0.5 % FS±one digit	✓	-	✓	-	✓
DO	Measurement range	(0.00-20.00) mg/L	-	✓	✓	-	✓
	Accuracy	±0.30 mg/L	-	✓	✓	-	✓
	DO saturation	(0.0-200.0)%	-	✓	✓	-	✓
	Automatic barometri pressure compensation	(0-200.0) kPa	-	✓	✓	-	✓
	Automatic temperature compensation	(0.0-50.0) °C/(32.0-122.0)°F	-	✓	✓	-	✓
Manual salinity compensation	0~45ppt	-	✓	✓	-	✓	
Temperature	Measurement range	(0.0-100.0) °C/(32.0-212.0)°F	✓	✓	✓	✓	✓
	Accuracy	±0.2°C	✓	✓	✓	✓	✓
Others	Charging socket	Type-C	✓	✓	✓	✓	✓
	Power supply	rechargeable lithium battery	✓	✓	✓	✓	✓
	IP Rating	IP57	✓	✓	✓	✓	✓
Test kit	Meter	✓	✓	✓	✓	✓	
	Plastic ATC pH probe D201T-H	✓	✓	-	✓	✓	
	Plastic ORP probe DORP301	-	-	-	✓	-	
	Stainless-steel temperature probe DTEMP-02H	-	-	-	✓	-	
	Plastic ATC Cond probe DCON201T, K=1.0	✓	-	✓	-	✓	
	Polarographic DO probe DDO01-2M-H, cable length: 2m	-	✓	✓	-	✓	
	pH buffer solution: pH4.00/7.00/10.01, 50mL, one for each	✓	✓	-	✓	✓	
	Standard ORP solution: 222mV, 50mL,1btl	-	-	-	✓	-	
	Standard Cond solution 84µS/1413µS/12.88mS/cm, 50mL, one for each	✓	-	✓	-	✓	
	Membrane refill solution DDOS-01, 30mL,1btl	-	✓	✓	-	✓	
	Membrane sensor caps DDOSC: 3pcs/group, 1pkg	-	✓	✓	-	✓	
	Rechargeable lithium battery (pre-installed)	✓	✓	✓	✓	✓	
	Charging cable	✓	✓	✓	✓	✓	
	Hard carrying case (L/W/H: 36.0×32.0×9.0cm)	✓	✓	✓	✓	✓	
Operation manual	✓	✓	✓	✓	✓		