

Portable Multiparameter Water Quality Meter



Features:

- \* LCD display screen, 3.5 inches.
- \* Multi-reading feature allows auto-read, timed-read and continuous-read.
- \* Automatic/Manual temperature compensation ensures accurate results.
- \* Auto-hold feature senses and locks the measurement endpoint.
- \* Data capacity of up to 500 sets for each parameter(GLP-compliant).
- \* Support for USB communication.
- \* Auto-power off feature effectively extends the battery service life.
- \* Reset feature automatically resumes all settings back to factory default options.
- \* IP65 waterproof. The portable meter is suitable for fields measurements and outdoor measurements.

Accessories:

Meter; pH composite electrode; conductivity electrode; polarographic DO electrode; standard pH buffer solution(50mL) (pH 4.01, 7.00, 10.01); conductivity standards 1413μS/cm(50mL); power adapter DC 5V 2A; electrode holder; microUSB cable; microUSB to DB25 printing cable; silicone rubber case(Installed on the host); wristband assembly(Small); carrying case

Technical Parameters:

Model		M310F
pH	Range	-2.00~20.00pH
	Resolution	0.1, 0.01pH
	Accuracy	±0.01pH
	Calibration Points	1~5 points
	Standard Customization	Yes
	Standard Recognition	NIST, GB and DIN buffers
	Slope Limit	Yes
mV	Range	-2000.0~2000.0mV
	Resolution	0.1mV
	Accuracy	±0.3mV or ±0.1%
pX	Range	-2.00~20.00
	Resolution	0.1, 0.01pX
	Accuracy	±0.01pX
	Calibration Points	1~5 points
ISE	Range	1E-9~9.999E9
	Resolution	Up to 4 significant digits
	Accuracy	±0.5%
	Units	mol/L, mmol/L, g/L, mg/L, μg/L
	Calibration Points	1~5 points

Conductivity	Range	0.000μS/cm~500mS/cm
	Resolution	0.001μS/cm minimum, various with range selection
	Accuracy	±1.0%FS
	Reference Temperature	20, 25℃
	Calibration Points	1~3 points
	Standard Recognition	84μS/cm, 1413μS/cm, 12.88mS/cm
Resistivity	Range	5.00~20.00MΩ·cm
	Resolution	0.01Ω·cm minimum
	Accuracy	±1.0%FS
TDS	Range	0.00mg/L~300g/L
	Resolution	0.01mg/L minimum, various with range selection
	Accuracy	±1.0%
Salinity	Range	(0.00~8.00)%
	Resolution	0.01%
	Accuracy	±0.2%
DO Concentration	Range	0.00~50.00mg/L
	Resolution	0.01mg/L
	Accuracy	±0.1mg/L
	Calibration Points	Air-saturated water or zero point
	Barometric Compensation	Yes
Saturation	Manual Salinity Factor Correction	Yes
	Range	(0.0~300.0)%
	Resolution	0.1%
	Accuracy	±10.0%
Temperature	Range	-5~110℃, 23~230°F
	Resolution	0.1
	Unit	℃, °F
	Relative Accuracy	±0.2
Measurement	Reading Mode	Auto read (Fast, medium, slow), timed, continuous
	Reading Prompts	Reading, stable, locked
	Temp. Compensation	ATC, MTC
Data Management	Data Storage	500 results each
	GLP Features	Yes
Inputs	pH Electrode	BNC(Q9)
	DO with Temp. Probe	4-pin aviation connector
	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	PC, printer
Display Options	Backlight	Yes
	Auto Shutdown	300, 600, 1200, 1800, 3600 sec., off
	IP Rating	IP65
	Date and Time	Yes
Power Requirements		Rechargeable lithium battery, AC adapter, 100~240V AC input, DC5V output
External Size(W*D*H)		80*35*255mm
Package Size(W*D*H)		490*410*220mm
Net Weight		0.5kg
Gross Weight		5.5kg