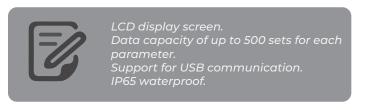


PORTABLE MULTI-PARAMETER WATER AND FERTILIZER SOLUTION FOR AGRICULTURE

BEP - M310F

The BEP-M310F Portable Multi-parameter Analyzer adopts a multi-purpose measurement method, which is suitable for the fields of health disease control, environmental protection, biological agriculture and forestry, water quality analysis, scientific research and institutions of higher learning.





	FEATURES			
ITEM	DESCRIPTION			
1	LCD display screen, 3.5 inches.			
2	Multi-reading feature allows auto-read, timed-read and			
_	continuous-read. Automatic/Manual temperature compensation ensures accurate			
3	results.			
4	Auto-hold feature senses and locks the measurement endpoint.			
5	Data capacity of up to 500 sets for each parameter (GLP-compliant).			
6	Support for USB communication.			
7	Auto-power off feature effectively extends the battery service life.			
8	Reset feature automatically resumes all settings back to factory default options.			
9	IP65 waterproof.			
рН				
1	1-5 points calibration with Standard Recognition.			
2	Selectable pH buffer groups, including NIST, DIN, GB.			
3	Automatic electrode diagnosis with pH slope and offset display.			
ION				
1	1-5 points calibration.			
2	Selectable measurement unit, including $\mu g/L$, mg/L , g/L , $mmol/L$, PX, etc.			
3	PX, etc. Measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.			
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3 4 1 2 3	PX, etc. Measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode. Over 10 methods are built-in, including F-, Cl-, Br-, I-, NO3-, BF4-, NH4+, K+, Na+, Ca2+, Cu2+, Pb2+, Ag+ and etc.; user-defined method is supported. CONDUCTIVITY 1-3 points calibration with Standard Recognition. Settable parameters, including cell constant, temperature compensation coefficient, and TDS factor. Temperature compensation type (none, linear, pure water). DO Support for air-saturated water or zero oxygen calibration. Auto barometric pressure compensation			

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PORTABLE MULTI-PARAMETER WATER AND FERTILIZER SOLUTION FOR AGRICULTURE

BEP - M310F

FEATURE PARAMETERS	TECHNICAL SPECIFICATION DESCRIPTION	CAPACITY pH/EC/ISE/DO/Temp. (mV/ORP/pX/Resistivity/TDS/ Sal./DO Saturation)
рН	RANGE	-2.00 to 20.00pH
	RESOLUTION	0.1, 0.01 pH
	ACCURACY	±0.01 pH
	CALIBRATION POINTS	Up to 5
	STANDARD CUSTOMIZATION	Yes
	STANDARD RECOGNITION	NIST, GB and DIN buffers
	SLOPE LIMIT	Yes
	RANGE	-2000.0 to 2000.0 mV
mV	RESOLUTION	0.1
	ACCURACY	±0.3 mV or ±0.1%
	RANGE	-2.00 to 20.00
pX	RESOLUTION	0.1, 0.01 pX
	ACCURACY	±0.01 pX
	CALIBRATION POINTS	Up to 5
	RANGE	0 to 19990 unit
	UNITS	mol/L, mmol/L, g/L, mg/L, μg/L
ISE	RESOLUTION	Up to 4 significant digits
	ACCURACY	±0.5%
	CALIBRATION POINTS	Up to 5
	RANGE	±1.0% (FS)
	RESOLUTION	$0.000~\mu\text{S/cm}$ to 500 mS/cm
CONDUCTIVITY	ACCURACY	$0.001\mu\text{S/cm}$ minimum,various with range selection
	REFERENCE TEMPERATURE	±1.0%
	CALIBRATION POINTS	FS 20, 25 °C
	STANDARD RECOGNITION	Up to 3 84µS/cm, 1413µS/cm, 12.88mS/cm
	RANGE	5.00 Ω·cm~20.00 MΩ·cm
RESISTIVITY	RESOLUTION	0.01 Ω·cm minimum
	ACCURACY	±1.0% FS
	RANGE	0.00mg/L~300g/L
TDS	RESOLUTION	0.01mg/L minimum, various with range selection
	ACCURACY	±1.0%

	TECHNICAL SPECIFICATION	
FEATURE	DESCRIPTION	CAPACITY
SALINITY	RANGE	(0.00~8.00)%
	RESOLUTION	0.01%
	ACCURACY	±0.2%
DISSOLVED OXYGEN CONCENTRATION	RANGE	0.00 to 50.00 mg/L
	RESOLUTION	0.01mg/L
	ACCURACY	±0.1mg/L
	CALIBRATION POINTS	Air-saturated water or zero point
	BAROMETRIC COMPENSATION	Yes
	MANUAL SALINITY FACTOR CORRECTION	Yes
	RANGE	(0.0 to 300.0)%
SATURATION	RESOLUTION	0.1%
	ACCURACY	±10.0%
	RANGE	-5 to 110 °C, 23 to 230 °F
TEMPERATURE	UNIT	°C, °F
	RESOLUTION	0.1
	RELATIVE ACCURACY	±0.2
	READING MODE	Auto Read (Fast, Medium, Slow), Timed, Continuous
MEASUREMENT	READING PROMPTS	Reading, Stable, Locked
	TEMP. COMPENSATION	ATC, MTC
OUTPUTS	USB	PC, printer
	PH ELECTRODE	BNC(Q9)
INPUTS	DO WITH TEMP. PROBE	4-pin aviation connector
	CONDUCTIVITY WITH TEMP. PROBE	5-pin aviation connector
DATA	DATA STORAGE	500 results each
MANAGEMENT	GLP FEATURES	Yes
	BACKLIGHT	Yes
DISPLAY OPTIONS	AUTO SHUTDOWN	300, 600, 1200, 1800, 3600 sec., off
	IP RATING	IP65
	DATE AND TIME	Yes
GENERAL	ELECTRICITY	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	DIMENSIONS	80×255×35 mm
	WEIGHT	400g

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