

BEP - M900, BEP - M901, BEP - M902, BEP - M903, BEP - M904



MODEL	MEASUREMENT PARAMETERS DESCRIPTION
BEP-M900	pH, mV, relative mV, ion concentration, conductivity, TDS, salinity, resistivity, DO, temperature.
BEP-M901	pH, mV, conductivity, TDS, temperature.
BEP-M902	pH, mV, relative mV, conductivity, TDS, salinity, resistivity, temperature.
BEP-M903	pH, mV, relative mV, DO, temperature.
BEP-M904	Conductivity, TDS, salinity, resistivity, DO, temperature.

ITEM	FEATURES DESCRIPTION
1	Automatic temperature compensation ensures accurate readings over the entire range.
2	Auto-Read function senses and locks the measurement endpoint
3	Calibration due alarm prompts user to calibrate the meter regularly.
4	Setup menu allows setting the number of calibration points, resolution, stability criteria, temperature unit, date and time, etc.
5	Reset function automatically resumes all settings back to the factory defaults.
6	Expanded memory stores or recalls up to 500 data sets.
7	USB communication interface for data transfer and timed interval readings.

pH	
1	Multi parameter water quality meter is equipped with a 6.5 inches backlit LCD display
2	1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers
3	Automatic electrode diagnosis shows the pH slope and offset

ORP	
1	1 point offset calibration allows adjusting the displayed value to a known standard
2	Relative and absolute millivolt modes ensure the reliable ORP measurements

ION CONCENTRATION	
1	2 to 5 points calibration, including the 8 concentration points to choose from.
2	Direct ion concentration readout simplifies the measurement process.
3	Automatic electrode diagnosis shows the calibration points and slopes.
4	Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency.

CONDUCTIVITY / TDS / SALINITY / RESISTIVITY	
1	1 to 5 points calibration with automatic recognition for conductivity standards.
2	Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.
3	Automatic electrode diagnosis shows the calibration points and factors

DISSOLVED OXYGEN	
1	1 or 2 points calibration using the air-saturated water or zero oxygen solution.
2	Salinity and barometric pressure compensations eliminate the measurement error Ion Concentration.

MODEL	ORDERING INFORMATION DESCRIPTION
BEP-M900	pH/conductivity/dissolved oxygen electrodes, temperature probe, pH buffer sachets, conductivity standard solutions, DO electrolyte solution, membrane cap, electrode holder, USB cable and power adapter.
BEP-M901/902	pH/conductivity electrodes, temperature probe, pH buffer sachets, conductivity standard solutions, electrode holder, USB cable and power adapter.
BEP-M903	pH/dissolved oxygen electrodes, temperature probe, pH buffer sachets, DO electrolyte solution, membrane cap, electrode holder, USB cable and power adapter.
BEP-M904	Conductivity/dissolved oxygen electrodes, temperature probe, conductivity standard solutions, DO electrolyte solution, membrane cap, electrode holder, USB cable and power adapter.

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FEATURE	DESCRIPTION	TECHNICAL SPECIFICATION					
		CAPACITY	BEP-M900	BEP-M901	BEP-M902	BEP-M903	BEP-M904
PH	RANGE	-2.000-20.000pH	✓	✓	✓	✓	X
	RESOLUTION	0.001, 0.01, 0.1pH, selectable	✓	✓	✓	✓	X
	ACCURACY	±0.002pH	✓	✓	✓	✓	X
	CALIBRATION POINTS	1 to 5 points	✓	✓	✓	✓	X
	PH BUFFER OPTIONS	USA, NIST, DIN, 2 custom buffers	✓	✓	✓	✓	X
ORP	RANGE	±1999.9mV	✓	✓	✓	✓	X
	RESOLUTION	0.1, 1mV, selectable	✓	✓	✓	✓	X
	ACCURACY	±0.2mV	✓	✓	✓	✓	X
	CALIBRATION POINTS	1 point	✓	X	✓	✓	X
ION	RANGE	0.001-19999 (depending on the range of ISE)	✓	X	X	X	X
	RESOLUTION	0.001, 0.01, 0.1, 1	✓	X	X	X	X
	ACCURACY	±0.5% F.S. (monovalent), ±1%F.S. (divalent)	✓	X	X	X	X
	MEASUREMENT UNITS	ppm, mg/L, mol/L, mmol/L	✓	X	X	X	X
	CALIBRATION POINTS	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)	✓	X	X	X	X
CONDUCTIVITY	RANGE	0.01-20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm	✓	✓	✓	X	✓
	RESOLUTION	0.001, 0.01, 0.1, 1	✓	✓	✓	X	✓
	ACCURACY	±0.5% F.S.	✓	✓	✓	X	✓
	CALIBRATION POINTS	1 to 5 points	✓	✓	✓	X	✓
	CALIBRATION SOLUTIONS	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm	✓	✓	✓	X	✓
	TEMPERATURE COEFFICIENTE	Linear (0.0-10.0%/°C), pure water	✓	✓	✓	X	✓
	REFERENCE TEMPERATURE	20/25°C	✓	✓	✓	X	✓
	CELL COMSTANT	K=0.1, 1, 10 or custom	✓	✓	✓	X	✓
TDS	RANGE	0-10.00, 100.0, 1000ppm, 10.00, 200.0ppt	✓	✓	✓	X	✓
	RESOLUTION	0.01, 0.1, 1	✓	✓	✓	X	✓
	ACCURACY	±1% F.S.	✓	✓	✓	X	✓
	TDS FACTOR	0.1-1.0 (default 0.5)	✓	✓	✓	X	✓
SALINITY	RANGE	0.00-42.00psu, 0.00-80.00ppt	✓	X	✓	X	✓
	RESOLUTION	0.01	✓	X	✓	X	✓
	ACCURACY	±1% F.S.	✓	X	✓	X	✓
RESISTIVITY	RANGE	0.00-20.00MΩ	✓	X	✓	X	✓
	RESOLUTION	0.01	✓	X	✓	X	✓
	ACCURACY	±1% F.S.	✓	X	✓	X	✓
DO	RANGE	0.00-20.00mg/L, 0.0-200.0% saturation	✓	X	X	✓	✓
	RESOLUTION	0.01mg/L, 0.1%	✓	X	X	✓	✓
	ACCURACY	±0.2mg/L, ±2.0%	✓	X	X	✓	✓
	CALIBRATION POINTS	1 or 2 points	✓	X	X	✓	✓
	BAROMETRIC PRESSURE CORRECTION	60.0-112.5kPa/450-850mmHg, manual	✓	X	X	✓	✓
	SALINITY CORRECTION	0.0-50.0g/L, manual	✓	X	X	✓	✓
GENERAL SPECIFICATION	TEMPERATURE COMPENSATION	0-100°C/32-212°F, manual or automatic	✓	✓	✓	✓	✓
	MEMORY	500 data sets, USB communication interface	✓	✓	✓	✓	✓
	POWER REQUIREMENTS	DC5V power adapter	✓	✓	✓	✓	✓
	DIMENSIONS AND WEIGHT	210(L)×188(W)×60(H)mm, 1.5kg	✓	✓	✓	✓	✓

