

## Multi-parameter Water and fertilizer solution for agriculture, Bench-top

### BEP-M300F

- **BEP-M300F**: pH Electrode, Conductivity Cell (K=1), DO Probe, ATC Probe, Electrode Holder, pH Buffer Powders (4.01, 7.00, 10.01)



### Features

- LCD display screen
- 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.
- Over 20 Settable parameters, including the number of calibration points, stability criteria temperature unit, etc.
- Data capacity of up to 500 sets (GLP-compliant).
- Data can be transferred to PC or printer by USB or RS-232 communication interfaces.

#### pH

- 1-3 points calibration with auto-buffer recognition.
- Selectable pH buffer groups, including NIST, DIN, GB.
- Automatic electrode diagnosis with pH slope and offset display.

#### Ion

- 1-5 points calibration.
- Selectable measurement unit, including  $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{g/L}$ ,  $\text{mmol/L}$ ,  $\text{PX}$ , etc.
- Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including  $\text{F}^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{NO}_3^-$ ,  $\text{BF}_4^-$ ,  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Ag}^+$  and etc.; user-defined method is supported.

#### Conductivity

- 1-3 points calibration automatically recognizes the standard solutions.
- Settable parameters, including cell constant, temperature compensation coefficient and TDS factor.

#### DO

- 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- Manual barometric pressure compensation.

### Specifications

	Model	BEP-M300F
pH	Range	(-2.00~20.00)pH
	Resolution	0.01pH
	Accuracy	0.01pH
mV	Range	(-1999.9~1999.9)mV
	Resolution	0.1 mV
	Accuracy	$\pm 0.1\%$ FS
pX	Range	(-2.00~20.00)pX
	Resolution	0.01 pX
	Accuracy	0.01 pX
Ion Concentration	Range	(0~19990)Unit: mol/L, mmol/L, g/L, mg/L, $\mu\text{g/L}$
	Resolution	4-digit Significant Number
	Accuracy	$\pm 0.5\%$
Conductivity	Range	0.000 $\mu\text{S/cm}$ ~199.9 mS/cm
	Resolution	0.001 $\mu\text{S/cm}$
	Accuracy	$\pm 1.0\%$ (FS)
Resistivity	Range	5.00 $\Omega\cdot\text{cm}$ ~20.00M $\Omega\cdot\text{cm}$
	Resolution	0.01 $\Omega\cdot\text{cm}$
	Accuracy	$\pm 1.0\%$ (FS)
TDS	Range	0.000 mg/L~100g/L
	Resolution	0.001mg/L
	Accuracy	$\pm 1.0\%$ (FS)
Salinity	Range	(0.00~8.00)%
	Resolution	0.01%
	Accuracy	$\pm 0.2\%$
DO	Range	(0.00~19.99)mg/L
	Resolution	0.01mg/L
	Accuracy	$\pm 0.10\text{mg/L}$
DO Saturation	Range	(0.0~199.9)%
	Resolution	0.1%
	Accuracy	$\pm 2.0\%$
Temperature	Range	(-5.0~105.0) °C
	Resolution	0.1 °C
	Accuracy	$\pm 0.2$ °C
General	Power Supply	100-240V, 50/60Hz
	Dimension (mm); Weight (kg)	280*215*93;