Benchtop Ion meter for K, LD-LBIM-A23

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Overview

Benchtop Ion meter for K, LBIM-A23 comes with (K) potassium ion selective electrode for potassium ion concentration measurement. This Ion meter comes with Â± 1 % F.S. measurement accuracy. Its direct ion concentration readout helps in elaborate measurement process. The system menu allows setting the 8 parameters like calibration points, stability condition etc. It can measure concentration in ppm, mg / L, mol / L. The mV measurement is used to check the performance of ion selective electrode.

Features:

- Large LCD display
- 2 - 5 points calibration from low to high concentration
- Direct ion concentration readout for elaborate measurement process
- Selectable concentration units from ppm, mg / L, mol / L
- mV measurements to check the performance of ion selective electrode
- Temperature compensation provides accurate reading over the entire range
- Stability indicator to show current measurement status
- Calibration due reminder for regular calibration of the meter
- Auto hold function to freeze stable reading for better viewing & recording
- Automatic electrode diagnosis shows the slope of the sensor
- Reset setting function
- Expanded memory stores and recalls up to 500 readings
- Built â€“in real time clock stamps
- USB communication interface to transfer stored data to PC

Applications:

Benchtop Ion meter is used to measure the potassium ion concentration present in potable water, D/W water, waste water and natural water resources using different ion concentration electrodes.

Specifications:

Power	DC 5 V, using AC adapter, AC 220 V / 50 Hz
Memory	Stores up to 500 sets of data
Output	USB communication interface
Weight	1.5 kg
Display	LCD (130 × 110 mm)
mV range	(-1999.9) to 1999.9 mV
Connector	BNC
Power off	Manual or automatic (10,20,30 minutes)
Resolution	0.001, 0.01, 0.1, 1

mV accuracy	± 0.2 mV
mV resolution	0.1 mV
Reset function	Yes
Calibration due	0 to 31 days
Compensation mode	Manual or automatic
Calibration points	2 to 5 points
Data hold function	Manual or automatic endpoint detection
Stability condition	Low or high
Temperature accuracy	± 0.5 °C, ± 0.9 °F
Calibration solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000 ppm, mol / L, mg / L
Ion measurement range	K range: 1×10⁶ - 1M, 0.04 -39000 ppm
Temperature resolution	0.1°C
Dimension (L × W × H)	210 × 188 × 60 mm
Ion measurement accuracy	± 1 % F.S.
Temperature compensation	0 to 100 °C, 32 to 212 °F
Temperature measurement range	0 to 105 °C, 32 to 221 °F