

BENCHTOP ION METER

LBIM-A2 Series



Benchtop Ion meter LBIM-A2 series

Benchtop Ion meter LBIM-A2 series is capable of connecting to various ion selective electrodes. 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. These Ion meter comes with $\pm 1\%$ F.S. Ion measurement accuracy.

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 shows 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-in real time clock stamps
 - » USB communication interface to transfer stored data to PC
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Applications

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

Specifications

Model no.	LBIM-A23	LBIM-A24	LBIM-A25
Ion measurement range	K range: 1×10^6 - 1M, 0.04 -39000 ppm	S range: 1×10^7 - 1M, 0.003-32100 ppm	Pb range: 1×10^8 - 0.1M, 0.2-20700 ppm
Ion measurement accuracy	$\pm 1\%$ F.S.		
Ion measurement accuracy	0.001, 0.01, 0.1, 1		
Calibration points	2 to 5 points		
Calibration solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000 ppm, mol/L, mg/L		
mV range	-1999.9 to 1999.9 mV		
mV accuracy	± 0.2 mV		
mV resolution	0.1 mV		
Temperature measurement range	0 to 105°C, 32 to 221°F		
Temperature accuracy	$\pm 0.5^\circ\text{C}$, $\pm 0.9^\circ\text{F}$		
Temperature resolution	0.1°C		
Temperature compensation	0 to 100°C, 32 to 212°F		
Compensation mode	Manual or automatic		
Data hold function	Manual or automatic endpoint detection		
Reset function	Yes		
Stability condition	Low or high		
Calibration due	0 to 31 days		
Power off	Manual or automatic (10,20,30 minutes)		
Memory	Stores up to 500 sets of data		
Output	USB communication interface		
Connector	BNC		
Display	LCD (130×110 mm)		
Power	DC5V, using AC adapter, AC220V/50Hz		
Dimension (L*W*H)	210×188×60 mm		
Weight	1.5 kg		

Standard Accessories

- Ion selective electrode (K, S, Pb)
- Temperature probe
- Standard solution (1000 ppm)
- Ionic strength adjuster (30mL)
- USB cable
- DC5V Power adapter

Optional accessories

- Ion selective electrode
[K range: 1×10^6 - 1M, 0.04 - 39000 ppm, S range: 1×10^7 - 1M, 0.003-32100 ppm, Pb range: 1×10^8 - 0.1M, 0.2-20700 ppm]
- Ion standard solutions: 480mL/ bottle
- Ionic strength adjuster: 480mL/ bottle
- Temperature probe with sensor