

LMION40



## Benchtop ION/pH/mV/°C Meter

LMION40 is a high accuracy meter, used for measuring the ION concentration, ORP and pH values of liquids. The meter widely used in environmental studies, chemical labs, swimming pools etc.

### *Salient Features*

- ✦ During the pH mode, Up to 5 points push-button calibration with auto-buffer recognition
- ✦ Selectable pH buffer standards and temperature units.
- ✦ Automatically calculates and displays electrode slope after calibration.
- ✦ During the ion mode, 2 to 5 points push-button calibration from low to high concentrations
- ✦ Direct readout ion concentration simplifies the elaborate measurement process.
- ✦ Automatic Temperature Compensation (ATC) ensures highly accurate measurements over the entire range.
- ✦ Automatic endpoint function freezes the stable measured values for easy reading and recording data.
- ✦ Calibration due reminder prompts you to calibrate the meter regularly.
- ✦ Help message as a operational guide to helps you understand how to use meter.
- ✦ Setup menu lets user customizes buffer standards, calibration points, stability conditions, resolution, measurement units, date and time to meet measurement requirements.
- ✦ Reset function can resumes all settings to factory default values.
- ✦ Built-in real-time clock stamps stored data to meets GLP standards.

**STANDARD ACCESSORIES** : pH Electrode, pH Buffer, Temperature Probe, Electrode Stand, Power Adaptor Instruction Manual.

## Ion / pH Meter - 5 Point Calibration

		Model	LMION40
		pH	Make
pH Range	-2.000 ~ 20.000pH		
pH Accuracy	±0.002pH		
Resolution	0.001,0.01,0.1pH ( Selectable )		
Calibration Points	up to 5 points		
Ion	Ion Concentration Range	0~19999 ppm,mg/L,mol/L (Selectable Depending on meas. Range of Ion Selective Electrode)	
	Ion Concentration Accuracy	±0.5% Full Scale ( Monovalent),±1% Full Scale (Divalent)	
	Ion Resolution	0.001, 0.01, 0.1, 1	
	Calibration Points	up to 5 points	
mV	mV Range	±1999.9 mV	
	mV Accuracy	±0.2mV	
	Resolution	0.1/1mV, Selectable	
	Calibration points	1 point (Only for Relative mV mode)	
Temperature	Temperature Range	0~105°C, 32~221°F	
	Accuracy	±0.5°C,±0.9°F	
	Resolution	0.1°C,	
Others	pH Buffer Option	USA (pH1.68,4.01,7.00,10.01,12.45), NIST (pH1.68,4.01,6.86,9.18,12.45), DIN (pH1.09,4.65,6.79,9.23,12.7) OR User Define	
	Memory	500 data sets with Date & Time	
	Output	USB Communication interface.	
	Connector	BNC	
	Function	Selectable	
	Temperature Compensation	0~100°C,32~212°F,	
	Compensation Mode	Automatic or Manual	
	Stability Conditions	Low or High, Selectable	
	Calibration due Reminder	1 to 31 days or Off	
	Power Supply	DC 5V adapters, using AC 220V / 50Hz,	
	Dimensions LxWxH (mm)	210 × 188 × 60	
	Weight	1.2kg	

★ Specifications are subject to change without notice.