



**Benchtop ION / pH / mV / °C Meter
LMION40**

(5 Point - Calibration for pH & Ion)



Benchtop ION/pH/mV/°C Meter **LMION40**



E - Catalogue

LMION40 is a high accuracy meter, used for measuring the ION concentration, ORP and pH values of liquids. The meter is 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.

**Optional
Accessories**
Fluoride ISE
Nitrate ISE

STANDARD ACCESSORIES : Main Instrument, pH Electrode, pH Buffer (4.01, 7.00, 10.01), Electrode Stand, ATC Probe, USB Adaptor, Instruction Manual, Test Certificate.

ION/pH/mV/°C Meter - 5 points calibration

HSN Code : 90275090

SPECIFICATIONS

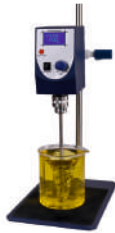
	MODEL	LMION40
pH	Make	LABMAN
	pH Range	-2.000 ~ 20.000pH
	pH Accuracy	±0.002pH
	Resolution	0.001,0.01,0.1pH (Selectable)
	Calibration Points	up to 5 points
Ion	Ion Concentration Range	0.001~19999 ppm,mg/L,mol/L (Selectable Depending on meas. Range of Ion Selective Electrode)
	Ion Concentration Accuracy	±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,
	Calibration Points	Ion / pH : Up to 5 Points
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
	Hold Function	Selectable
	Temp. 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 Adaptor, Using AC 220V,50/60Hz
	Packing Dimensions (LxWxH)	310 x 255 x 190mm
	Gross Weight	2kg

★ Specifications are subject to change without notice.

LABMAN Product Range 2025-26

LMFD61, 62, 63, 64 Lyophilizer Freeze Dryer (-60°C)	LMFD83, 84 Lyophilizer Freeze Dryer (-80°C)	LMRE25 Rotary Evaporator	ADM3 Automatic Density Meter	MSOD6 Microvolume Spectrophotometer
NAE32 Nucleic Acid Extractor	EMR4 Elisa Microplate Reader	GPTC96 Gradient PCR Thermal Cycler	HO30 Hybridization Oven	UVCL254 UV - Crosslinker
TGH12, 24 Tissue Grinder Homogenizer	PBH80T Paddle Blender Homogenizer	TOC2NDIR Total Organic Carbon Analyzer	TOC1CD Total Organic Carbon Analyzer	LMDS600, 1200 Microwave Digestion System
HPLC1IS, HPLC2GS High Performance Liquid Chromatography	APT1800 Automatic Potential Titrator	KFT250VC Karl Fischer Titrator	COD1500 COD Analyzer with Digestor	BOD4000 BOD Analyzer
MTVM50 Multi Tube Vortex Mixer	LMVM60D Vortex Mixer	OS20 Orbital Shaker	TRM6 Tube Roller Mixer	DBNE12, 24 Dry Bath Nitrogen Evaporator

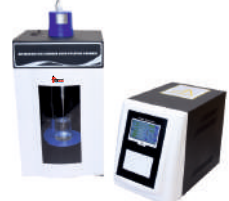
LABMAN Product Range 2025-26

DBI11T  Dry Bath Incubator	DBI15SH, DBI16SC  Dry Bath Incubator	IRS14, 35  Infrared Sterilizer	GGA200  Air Generator	GGA301, 302  Hydrogen Generator
GGN303  Nitrogen Generator	GHA304  Hydrogen Air Generator(2 in 1)	LMVP10  Vacuum Pump	LMVP20  Vacuum Pump	LMCO1  Column Oven
LMIO6  Mini Thermostatic Incubator	GHP400  Graphite Hotplate	LOBMS5  Oil Bath Magnetic Stirrer	LMMS4LC, 20LC  Ceramic Hotplate Magnetic Stirrer	LMMS300  Hotplate Magnetic Stirrer
MMS15S  Multiposition Magnetic Stirrer	MMS12H  Multiposition Magnetic Stirrer	WBMS3  Water Bath Magnetic Stirrer	LMWB2H, 4H, 6H, 8H  Digital Water Bath	HOS20L  Overhead Stirrer
LMHH160  Hand Held Homogenizer	PS1565  Peltier / Sipper System	LUV6HG  PMT Spectrophotometer	LUV2000T, 2100T  Single / Double Beam UV-Vis. Spectrophotometer with 21CFR	LMSPUV SERIES  Double Beam UV-Vis. Spectrophotometer

LABMAN Product Range 2025-26

LMSPUV1200  UV-Vis. Single Beam Spectrophotometer	LMSPV320, 325  Visible Spectrophotometer	ADP100CFR, 95CFR  Automatic Digital Polarimeter with CFR	ADP45, 50  Automatic Digital Polarimeter (±45°)	ADP75, 90  Automatic Digital Polarimeter (±90°)
ADP40  Automatic Digital Polarimeter	LMPM180  Manual Polarimeter	MAR100  Manual ABBE Refractometer	RFM100CFR  Digital Refractometer CFR	RFM950, 970  Digital Refractometer
LMAR1317T  ABBE Refractometer	LMDV300H  Digital Viscometer with Thermosel	LMDV60, 100, 200  Digital Viscometer (L Series)	LMDV400R  Digital Viscometer (R Series)	LMKV2  Krebs Viscometer
LMDV111, 222  Digital Viscometer with SSA	LVA30  Low Viscosity Adaptor	LMCR80F  Visual Colorimeter	LMUC2D  Ultrasonic Cleaner	LMUC3D, 6D, 9D, 12D, 25D  Ultrasonic Cleaner - Degas
LMUC50, 100  Industrial Ultrasonic Cleaner	LMPH15  pH Meter with Printer	LMPH12, LMPH10H  pH Meter	LMPH9  pH Meter - Basic	LMCM20H  Conductivity / TDS Meter

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LMCM20H  Conductivity / TDS Meter	LMMP30, 32  Multiparameter (7 in 1 / 9 in 1)	LMION40  Ion Meter	LMDO50  Dissolved Oxygen Meter	LMHD60  Water Hardness Meter
OPH11  Online pH Controller	OCM21  Online Conductivity Controller	LMTB200  Turbidity Meter	RCB1010T, 1020T, 1030T  Refrigerated Circulating Bath	RCB620T  Refrigerated Circulating Bath
RWC320  Recirculating Water Chiller	LMDO4P  Portable DO Meter	LMPH1P  Portable pH / ORP Meter	LMCM2P  Portable Conductivity / TDS Meter	LMTB5P  Portable Turbidity Meter
PRO656, 900, 1200, 1800  Probe Sonicator	PRO660R  Probe Sonicator with Remote	PRO650  Probe Sonicator	LMIF30T, 50T, 100T  Ice Flaker	LMIF200T  Ice Flaker
LMIM15  Ice Maker	LMIM20C  Ice Maker with Crusher	ISE19, 62  Nitrate / Fluoride ISEs	ER SERIES  pH Electrode / DO Electrode	CC1, CC2, CC3  Conductivity Cell