



# Catalogue

LMHD60

## Water Hardness Meter



**2** YEARS  
Guarantee

2024-25

LMHD60

CATALOGUE 2024-25



## Water Hardness Meter LMHD60



E - Catalogue

### SALIENT FEATURES

#### Water Hardness

- ✦ Multiparameter water hardness meter is equipped with a 7" TFT display.
- ✦ 2 to 5 points calibration from low to high concentrations.
- ✦ Selectable Measurement units (mg/L, mol/L, mmol/L) are used for Water Hardness Measurements.

#### Ion Concentration Mode:

- ✦ 2 to 5 points calibration, including the selection of 8 concentration points.
- ✦ Electrode management is capable of storing and recalling up to 3 electrode slopes.
- ✦ Selectable Ion Measurement methods (direct reading, known addition, known subtraction, sample addition, sample subtraction) and concentration units (ppm, mg/L, mol/L, mmol/L).

**STANDARD ACCESSORIES** : Main Instrument, Water Hardness Electrode, Water hardness standard solutions 10mmol/L, 100 mmol/L, ATC Probe, Electrode Stand, Power Adaptor, Instruction Manual, Test Certificate,

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# Water Hardness Meter LMHD60

## General

- ◆ Automatic temperature compensation ensures accurate readings over the entire range
- ◆ Auto-Read function senses and locks the measurement endpoint
- ◆ Interval Readings data can be transferred to a PC or Printer
- ◆ High / Low Limit Alarm automatically alerts when reading exceeds the specified range
- ◆ Calibration due alarm prompts user to calibrate the meter regularly
- ◆ Password protection prevents the unauthorized calibration and settings
- ◆ Expanded memory stores or recalls up to 1000 data sets
- ◆ Reset function automatically resumes all settings back to the factory default
- ◆ Built in real time clock stamps stored data to meet GLP Standards

Thermal Printer optional available for print reports (TP9)

```

**** Ion Calibration Report ****
Version 3.01
Model No.      : LMHD60
Instrument Sr.No : L44160
Date           : 12/12/2022
Time           : 12:48:15
Ion Model      : Ion3
Temperature    : 25.0°C

Calibration Points(mg/L)  Slope Detail (mV)
-----
0.1& 1                    -30.0
1& 10                     -30.0
10& 100                   -30.0

Average Slope : -30.0mV
Calibration Date : 12/12/2022
Calibration Time : 12:47:57
Calibration Due : 1Day

Signature: .....
Date: .....

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**** Ion Calibration Report ****
Version 3.01
Model No.      : LMHD60
Instrument Sr.No : L44160
Date           : 12/12/2022
Time           : 12:57:25
Ion Model      : WaterHardness
Temperature    : 25.0°C

Calibration Points(mmol/L) Slope Detail (mV)
-----
0.001& 0.01              -30.0
0.01& 0.1                -30.0
0.1& 1                   -30.0
1& 10                    -29.9

Average Slope : -29.9mV
Calibration Date : 12/12/2022
Calibration Time : 12:56:39
Calibration Due : 1Day

Signature: .....
Date: .....

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**** Ion Data Report ****
Version 3.01
Model No.      : LMHD60
Instrument Sr.No : L44160
Date           : 27/12/2024
Time           : 15:21:09

No ID Reading Temp
-----
01 25/12/2024 15:52:19 0000 1000ppm 25.0°C
02 25/12/2024 15:52:50 0000 100ppm 25.0°C
03 25/12/2024 16:04:11 0000 697ppm 25.0°C
04 25/12/2024 16:04:30 0000 667ppm 25.0°C
05 25/12/2024 16:05:00 0000 249ppm 25.0°C
06 25/12/2024 16:05:29 0000 1000ppm 25.0°C
07 25/12/2024 16:14:13 0000 556ppm 25.0°C
08 25/12/2024 16:14:31 0000 697ppm 25.0°C
09 25/12/2024 16:14:46 0000 1001ppm 25.0°C
10 25/12/2024 16:15:02 0000 10015mg/L 25.0°C
11 25/12/2024 16:15:16 0000 5568mg/L 25.0°C
12 25/12/2024 16:15:33 0000 4010mg/L 25.0°C
13 25/12/2024 16:15:49 0000 116mg/L 25.0°C

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**** Ion Analysis Report ****
Version 3.01
Model No.      : LMHD60
Instrument Sr.No : L44160
Date           : 27/12/2024
Time           : 15:54:36
Ion Model      : WaterHardness
Sample ID      : 1981
Ion Result     : 0.000mmol/L
mV Result     : 0.0mV
Average Slope : 31.1mV
Temperature    : 25.0°C (HTC)

Signature: .....
Date: .....

```

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**** Ion Analysis Report ****
Version 3.01
Model No.      : LMHD60
Instrument Sr.No : L44160
Date           : 27/12/2024
Time           : 16:02:27
Method         : Sample Addition
Sample Vol(ml) : 10ml
Standard Vol(ml) : 50ml
Standard conc. : 100mg/L
E1             : 157.9mV
E2             : 134.8mV
Sample ID      : 1981
Ion Result     : 1001mg/L
Average Slope : -58.0mV
Temperature    : 25.0°C (HTC)

Signature: .....
Date: .....

```

```

**** Ion Analysis Report ****
Version 3.01
Model No.      : LMHD60
Instrument Sr.No : L44160
Date           : 27/12/2024
Time           : 16:02:50
Ion Model      : Ion1
Sample ID      : 1981
Ion Result     : 564mg/L
mV Result     : 134.8mV
Average Slope : -60.0mV
Temperature    : 25.0°C (HTC)

Signature: .....
Date: .....

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**LMHD60**

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**Water Hardness Meter**



HSN Code : 90275090

<b>MODEL</b>	<b>LMHD60</b>
Make	LABMAN
<b>Water Hardness</b> Range	0.05 to 200 mmol/L (Concentration)
Water Hardness Accuracy	±1% F.S.
Water Hardness Resolution	0.001, 0.01, 0.1, 1, automatic
Calibration	2 to 5 points
Calibration Points Options	0.01 / 0.1 / 1 / 10 / 100 mmol/L
<b>Ion</b> Range	0.001 - 30000 mmol/L concentration (depends on Ion Selective Electrode range)
Ion Accuracy	±0.5% F.S. ±1% F.S.
Ion Resolution	0.001, 0.01, 0.1, 1, Automatic
Calibration	2 to 5 points
Calibration Points Options	0.001 / 0.01 / 0.1 / 1 / 10 / 100 / 1000 / 10000 mmol/L
Measurement Units	ppm, mg/L, mol/L, mmol/L
<b>Temperature</b> Range	0~105°C
Temp. Accuracy	±0.5°C
Resolution	0.1°C
Temp. Compensation	0~100°C, Manual / Automatic
Stability	Standard or high-accuracy
Calibration Due Alarm	1 to 31 days or off
Password Protection	Yes, 4 digits
Memory	1000 data sets
Connector	BNC
Display	7" (inches) TFT LCD
Power Requirements	DC12V, using AC adaptor, 220VAC/50Hz
Packing Dimensions ( L x W x H)	240 × 220 × 80 mm
Gross Weight	1.7 kg

**SPECIFICATIONS**

\* Specifications are subject to change without notice.



 <p><b>APT1800</b> Automatic Potential Titrator</p>	 <p><b>KFT250VC</b> Karl Fisher Titrator</p>	 <p><b>KFT1B</b> Karl Fisher Titrator - Basic</p>	 <p><b>SPB80T</b> Stomacher Paddle Blender</p>	 <p><b>GGA200</b> Air Generator</p>
 <p><b>GGH301.302</b> Hydrogen Generator</p>	 <p><b>GGN303</b> Nitrogen Generator</p>	 <p><b>GHA304</b> Hydrogen / Air Generator (2 in 1)</p>	 <p><b>LMVP10</b> Vacuum Pump (Basic)</p>	 <p><b>LMVP20</b> Vacuum Pump (Chemical Resistance)</p>
 <p><b>LMCO1</b> Column Oven</p>	 <p><b>LMIO6</b> Portable Thermostatic Incubator</p>	 <p><b>GHP400</b> Graphite Hotplate</p>	 <p><b>LOBMS5</b> Oil Bath Magnetic Stirrer</p>	 <p><b>LMMS4LC, 20LC</b> Ceramic Hotplate Magnetic Stirrer</p>
 <p><b>TOC1CD</b> Total Organic Carbon Analyzer</p>	 <p><b>TOC2NDIR</b> Total Organic Carbon Analyzer</p>	 <p><b>LMDS600, 1200</b> Microwave Digestion System</p>	 <p><b>ADP100CFR</b> Automatic Digital Polarimeter CFR</p>	 <p><b>ADP45, 50</b> Automatic Digital Polarimeter</p>
 <p><b>ADP75, 90</b> Automatic Digital Polarimeter</p>	 <p><b>ADP95CFR</b> High Speed Automatic polarimeter</p>	 <p><b>RFM100CFR</b> Automatic Digital Refractometer</p>	 <p><b>RFM950, 970</b> Digital Refractometer</p>	 <p><b>LMAR1317T</b> ABBE Refractometer</p>
 <p><b>PCR9602G</b> Gradient Thermal Cycler PCR</p>	 <p><b>RCB1010T, 1020T, 1030T</b> Refrigerated Circulating Bath</p>	 <p><b>RCB620T</b> Refrigerated Circulating Bath</p>	 <p><b>LMIF30T, 50T, 100T</b> Ice Flaker - Touch Screen</p>	 <p><b>LMIF200T</b> Ice Flaker - Touch Screen</p>
 <p><b>LUV2000T, LUV2100T</b> Double Beam UV-VIS Spectrophotometer</p>	 <p><b>LMSPUV1900, 1908, 1920, 1928</b> Double Beam UV - VIS Spectrophotometer</p>	 <p><b>LUV6HG</b> PMT Spectrophotometer</p>	 <p><b>LMSPUV1200, 1000B</b> Single Beam UV - VIS Spectrophotometer</p>	 <p><b>LMSPV325, 320</b> Visible Spectrophotometer</p>

# LABMAN PRODUCTS

Laboratory & Scientific Instruments



LMUC3D, 6D, 9D, 12D, 25D



Digital Ultrasonic Cleaner

PRO656, 900, 1200, 1800

LMUC35M



Digital Ultrasonic Cleaner

PRO660R

LMUC50, 100



Industrial Ultrasonic Cleaner

COD1500



COD Analyzer with Digestor

BOD4000



BOD Analyzer



Touch Screen  
Probe Sonicator

DBI11T



Touch Screen  
Probe Sonicator with Remote

DBI18



Probe

LMDV300H



Ceramic Hotplate  
Magnetic Stirrer

LMDV60, 100, 200



Hotplate  
Magnetic Stirrer

LMKV3



Touch Screen  
Dry Bath Incubator

LMPH9



Dry Bath Incubator

LMPH10H, 12



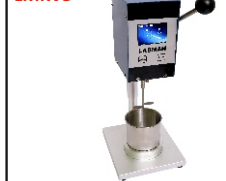
Viscometer with Thermosteal

LMPH15



Digital Viscometer

LMCM20H



Krebs Viscometer

LMMP30



pH Meter - Economic

LMMP32



pH Meter - 3 Points, 5 Points

LMION40



pH Meter With Printer

LMD050



Conductivity Meter - 3 Points

LMHD60



Multiparameter - 7 in 1

OPH11



Multiparameter (9 in 1)

OCM21



Ion/ pH Meter

LMTB200



Dissolved Oxygen Meter

LMCR80F



Water Hardness Meter

LMWB04



online pH Controller

LVA30, SSA15



Online Conductivity Controller

ER1-10



Turbidity Meter

CC1, 2, 3



Visual Colorimeter

ISE19

ISE62



Digital Water Bath

LMVM60D



Small Sample Adaptor  
Low Viscosity Adaptor

PS1565



pH Electrode, pH/ ORP Electrode



Conductivity Electrode



Fluoride

Nitrate



Vortex Mixer



Peltier / Sipper System