



Lyophilizer Freeze Dryer LMFD Series



Lyophilizer Freeze Dryer

LMFD61, LMFD62, LMFD63, LMFD64 (-60°C)

LMFD83, LMFD84 (-80°C)



E - Catalogue

(-60°C) Condenser temperature, suitable for samples with most water solvents;

(-80°C) Condenser temperature, applicable for samples with low freezing point substances

Lyophilizer Freeze Drying removes water from frozen materials by turning ice directly into vapor (sublimation) without becoming liquid. This process uses heat to vaporize the ice, vacuum to remove the vapor, and a cold collector to condense it back into ice.

SALIENT FEATURES

- ✦ 7" Touch Screen Display, Simple operation
- ✦ Power Off Auto recovery Function
- ✦ Display - condenser temperature, sample temperature and vacuum, display graph, Vacuum and temperature correction to ensure long-term accuracy in use.
- ✦ Power-off auto-recovery function: Allows customers to set the power-off restart time
- ✦ Alarm and prompt functions to prevent misoperation
- ✦ Vacuum System - High-precision vacuum gauge.
- ✦ Set vacuum pump start and stop required condenser temperature Oil mist filter.



Vacuum Pump

Lyophilizer Freeze Dryer

HSN Code : 84193300

SPECIFICATIONS

MODEL	LMFD61	LMFD62	LMFD63	LMFD64	LMFD83	LMFD84
Condenser Temperature	-60°C	-60°C	-60°C	-60°C	-80°C	-80°C
Freeze Drying Area	0.12m²	0.094m²	0.12m²	0.094m²	0.12m²	0.094m²
Freeze Dryer with	-	stopper	manifold	manifold & stopper	manifold	manifold with stopper
Tray Size	200mm x 4	200mm x 3	200mm x 4	200mm x 3	200mm x 4	200mm x 3
Vacuum Pressure	<5Pa		<10Pa			
Refrigeration system	Single Cascade			Dual Cascade		
Make	LABMAN					
Display	7 “ Touch Screen Display					
Tray Spacing	70mm					
Ice Condenser Capacity	3L/24h					
Ambient Temperature	15°C ~ 25°C					
Relative Humidity	≤ 70%					
Defrost	Heating Coil					
Vacuum Pump	Standard Supply					
Vacuum Pump Type	Double Stage Oil-Lubricated Rotary Vane Vacuum Pump					
Vacuum Pump Rotary Speed	1400 RPM					
Vacuum Pump Oil Capacity	0.8ltr.					
Vacuum Pump Noise Level	54dB					
Vacuum Pump Weight	25kg					
Power	950W					
Power Supply	220-240V / 50Hz					
Instrument Dimension (LxWxH)	393 x 500 x 450 mm (Without Chamber)					
Dimensions (LXWxH) (Main Instrument)	585 x 530 x 585	585 x 550 x 605	585 x 530 x 580	575 x 560 x 605	795 x 570 x 670	810 x 570 x 670mm
Dimensions Accessories Box (LXWxH)	780 x 410 x 555	785 x 410 x 550	785 x 405 x 555	785 x 410 x 550mm		
Dimensions Vacuum Pump (LXWxH)	770 x 320 x 360	770 x 320 x 365	775 x 325 x 365	765 x 320 x 360	775 x 325 x 365	770 x 325 x 365mm
Total Gross Weight (3 Wooden Box)	102kg	111kg	111kg	120kg	144kg	150kg

★ Specifications are subject to change without notice.

Vacuum Pump



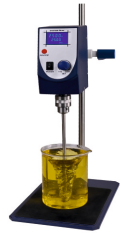

STANDARD ACCESSORIES

SR. NO.	PHOTO	ACCESSORIES NAME	LMFD61	LMFD62	LMFD63	LMFD64	LMFD83	LMFD84
1		Tray $\varnothing$ 200mm	4 pcs.	3 pcs.	4 pcs.	3 pcs.	4 pcs.	3 pcs.
2		Drying Rack	1 pc.	3 trays rack 1 pc.	1 pc.	3 trays rack 1 pc.	1 pc.	3 trays rack 1 pc.
3		Cylinder Drying Chamber	1 pc.	-	-	-	-	-
4		Cylinder Drying Chamber	-	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.
5		Stopper	-	-	-	1 pc.	-	1 pc.
6		Sealing Ring (only Manifold Type)	-	-	1 pc.	1 pc.	1 pc.	1 pc.
7		Flask -100ml (150ml-Optional)	-	-	8 pcs.	8 pcs.	8 pcs.	8 pcs.
8		8pcs. Manifold Cover	-	-	1 pc.	With Stopper Handle 1 pc.	1 pc.	With Stopper Handle 1 pc.
9		Valve, Rubber, 3/4", Vacuum	-	-	8 pcs.	8 pcs.	8 pcs.	8 pcs.
10		Vacuum Pump	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.

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

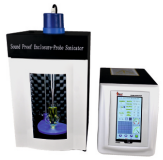
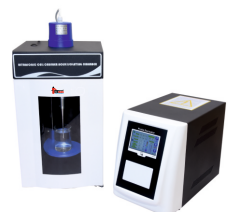
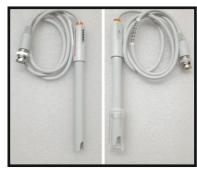
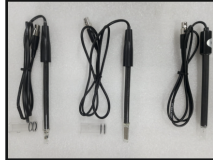
LABMAN Product Range 2025-26

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 ($\pm 45^\circ$)	ADP75, 90  Automatic Digital Polarimeter ($\pm 90^\circ$)
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