



**Microwave Digestion System
LMDS600, LMDS1200**





E - Catalogue

LMDS600, LMDS1200 Microwave Digestion System

Microwave digestion systems are widely used in analytical chemistry, environmental science, and various fields of research and analysis where sample preparation is critical. These systems use microwave radiation to heat and digest samples for chemical analysis.

Elemental Analysis, Pharmaceuticals, Geology and Mining, Petrochemical Industry, Environmental Monitoring, Clinical and Biological Research, Forensic Science, Material Characterization, Research and Method Development, Quality Control,

SALIENT FEATURES

- ✦ LMDS1200 - With Standard 12 Vessels
- ✦ LMDS600 - With Standard 6 Vessels
- ✦ Vertical design for even distribution of microwave.
- ✦ Real-time monitoring for both temperature and pressure of each vessel.
- ✦ Contactless sensor monitoring with no burst disk design saves consumables and maintenance cost.
- ✦ Imported vessel material for both sample vessel and protection vessel ensures safety.
- ✦ 7 inch color Touch screen with user-friendly interface for easy operation.
- ✦ Imported CFRP outer shell material with high strength ensures impact resistance.
- ✦ Pre-installed general standard methods, users can also create, save, modify and delete the method.
- ✦ Industrial stainless steel tank (SS316) with multilayer teflon coating avoids acid corrosion, also improves cooling efficiency.

Microwave Digestion System

HSN Code : 85144000

SPECIFICATIONS

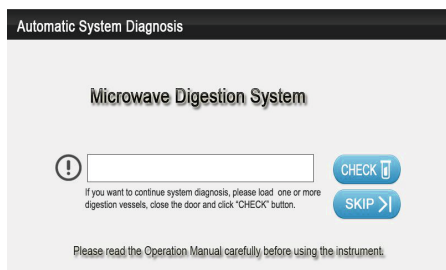
MODEL	LMDS600	LMDS1200
Make	LABMAN	
Vessel Quantity	6	12
Temperature Monitoring System	Contactless IR Sensor Temperature Monitoring, Each Vessel Temperature Controlled	
Temperature Controlling Range	50°C ~ 400°C	
Temperature Accuracy	±0.1°C	
Pressure Monitoring System	Contactless Sensor Pressure monitoring each Vessel Pressure Controlled	
Pressure Controlling Range	0~15MPa	
Pressure Accuracy	±0.01MPa	
Vessel Volume	100mL	
Vessel Material	TFM (modified PTFE)	
Protection Vessel Material	Peek+Glass Fiber	
Rotation	One Direction 360° continuous rotating	
Display	7 inch Touch Screen	
Software	In-Built	
Microwave Tank	Stainless Steel tank (SS316) with corrosion-proof coating	
Microwave Power	0-1000W (Adjustable)	
Microwave Leakage	<5mw/cm2	
Air Exhaust	High power corrosion-proof air blower	
Power	AC 220V±10%, 10A, 50/60Hz	
Packing Dimension (LxWxH)	715 × 630 × 815mm	
Gross Weight	62kg	78 kg

★ Specifications are subject to change without notice.

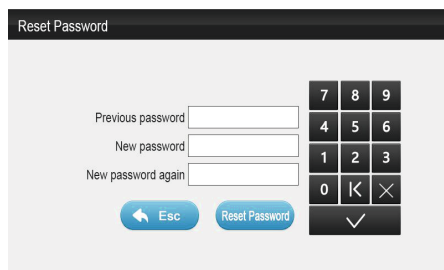
This system is user Friendly which ensure easy and simple operation & user can also create, edit, save, modify and delete their own methods.



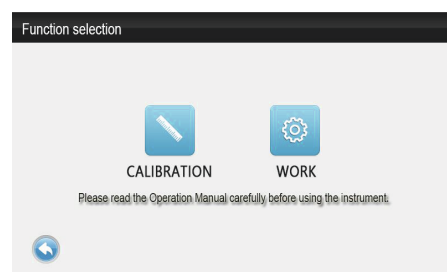
Microwave Digestion System LMDS600



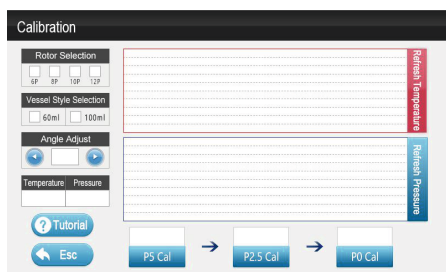
System Self - Diagnosis



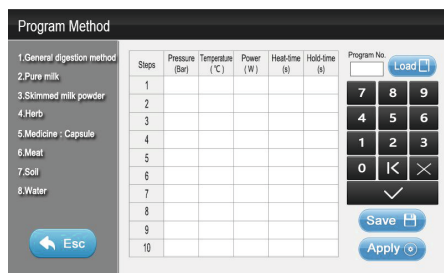
Login Interface



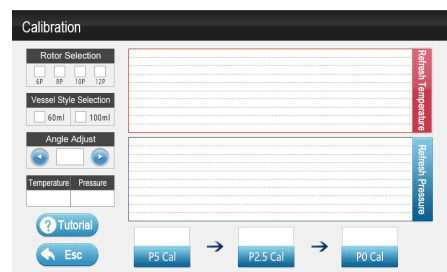
Function Selection



System Calibration



Program Methods



Run Interface

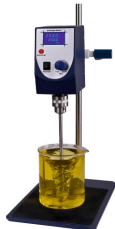
STANDARD ACCESSORIES

Host Engine		Vessel Holder		Exhaust Pipe		Cross Screwdriver	
Sample Rotor		Repair Tool		Fuse (10A)		Disposable Gloves	
Auxiliary Platform		Unload Tool		Sandpaper		Manual	
Digestion Vessels		Pressure Calibration Ring (PCR)		Power Cord		Test Certificate	

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

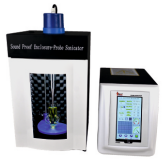
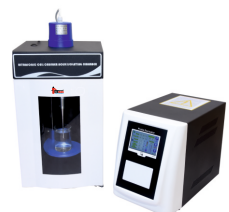
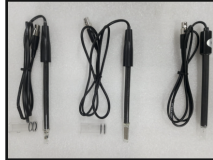
LABMAN Product Range 2025-26

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

LABMAN Product Range 2025-26

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