



*Microwave Digestion
System
LMWD-A1 series*



Microwave Digestion System LMWD-A1 series

Labtron manufactures Microwave Digestion System LMWD-A1 series which can bring about digestion of samples at a temperature of 305°C and also features real-time temperature and pressure monitoring system.

Features

- Easy operation and stability
- Wi-Fi control module
- ARM chip with UCOS-II operation system
- 7"LCD color touch-screen real time display
- High accuracy pressure sensor
- Microwave output can be adjusted continuously
- Sample digestion are uniform
- Ten safety protection measures to ensure experiment safety
- Temperature control system
- Pressure control system
- Real-time temperature and pressure abnormal monitoring system
- Explosion-proof security doors
- Eliminates microwave interference temperature control system and other factors
- Thicken cavity with 10 layer TEFLON coating
- Advanced optical fiber temperature control system
- High-power exhaust system, program with suspend or start at any time

Application

It is used in the food, textile, plastic, geology, coal, bio-pharmaceutical, petrochemical, environmental monitoring, battery manufacturing, cosmetics.

Specifications

Model No.	LMWD-A10	LMWD-A11
Cavity	48L Resonant Cavity	
Teflon Coating	10	
Power Output	1600W	
Digestion Method	20 preinstalled methods, programming 50 method	50 preinstalled methods, programming 100 method
Max. Temperature	305°C	
Temperature Accuracy	±1°C	
Temperature Sensor	Optical Fiber Sensor	

Microwave Digestion System

Running Abnormal Monitoring	No	Yes
Vessel Pressure Capacity	75MPa	80MPa
Vessel Quantity	1-12/batch	
Vessel Volume	100mL	
Microwave Cavity	SS316 with 8 layer Teflon	SS316 with 10 layer Teflon
Cooling Method	Forced Air Cooling	
Interface	No	USB, RS232
Wi-Fi Module	No	Optional
Power Supply	220VAC±10% 50Hz	220VAC±10% 50Hz
Detection Of Abnormal Voltage	Yes	
Video Monitoring	No	Yes



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