



## MICROWAVE DIGESTER BEY101 (BMWD-108)

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## MICROWAVE DIGESTION SYSTEM



- Special Designed Sample Digestion Vessel

The auto vent and self-resealing design ensures digestion vessels can automatically release pressure and instantly reseal when a sudden over-pressure situation occurs. It reduces waste of batch samples and also avoids vessel damage.

- Contactless Temperature and Pressure Monitoring System

The imported contactless IR sensor can measure the real-time temperature of sample solution (NOT Vessel Wall) in each digestion vessel. Meanwhile, the contactless pressure sensor can monitor the real-time pressure of each vessel. It avoids sample cross-contamination, and the real-time temperature and pressure value in each vessel are displayed during the whole digestion

## SPECIFICATIONS

Model	BEY101
Old Model	BMWD-108
Vessel Quantity	12
Temperature Monitoring	Contactless IR Sensor Temperature Monitoring; Each Vessel Temperature Controlled; Temperature Controlling Range: 50-400°C; Max. Working Temperature: 250°C; Temperature Accuracy: $\pm 0.1^{\circ}\text{C}$
Pressure Monitoring	Contactless Sensor Pressure Monitoring; Each Vessel Pressure Controlled; Pressure Controlling Range: 0-15 MPa; Max. Working Pressure: 6 MPa; Pressure Accuracy: $\pm 0.01$ MPa
Vessel Volume	100 mL
Sample Vessel Material	Imported TFM
Protection Vessel Material	PEEK + Glass Fiber
Display	7 inches Color Touch Screen
Rotation	One Direction 360° continuous rotating
Microwave Cavity	316L stainless steel cavity with corrosion-proof coating
Microwave Power	0-2000 W (Adjustable)
Microwave Leakage	$< 5 \text{ mW/cm}^2$
Air Exhaust	High power corrosion-proof air blower
Power	AC 220V $\pm 10\%$ , 10A, 50/60Hz
Alt Name	Microwave Digestion System

## FEATURES

- Special Designed Sample Digestion Vessel

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- Large Storage Capacity

Up to 255 kinds of method programs can be edited and saved, each method program can set with max. 10 steps and parameters (temperature, pressure, time, microwave power).

- Safety Protection System

The double locked security door, the separate protection vessel frame, the real-time temperature and pressure monitoring system, the auto adjustment of over-pressure and over-temperature system and the abnormal sound monitoring ensure that a highly safe operation environment.



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