MICROWAVE DIGESTION SYSTEM

DESCRIPTION

Microwave digestion technology is highly efficient sample preparation technology. It uses microwave heating principle in a sealing container and uses high temperature and high pressure to achieve a quick and complete digestion of inorganic or organic samples. It is ideal for sample preparation in modern analytical methods as UV-VIS, HPLC, AAS, ICP-AES, ICP-MS, GFAA, AFS, XFS, etc.



TECHNICAL PARAMETERS

MODEL	ECO-610-T6
Vessel quantity	6
Vessel volume	100 mL
Rotor	6 places
Rotation	360° continuous ro
Maximum working temperature	250°C
Temperature accuracy	±0.1°C
Pressure range	0-60 bar
Leakage of microwave power density	<5mW/cm²
Microwave power	0-1000 W (adjustat
Microwave frequency	2450 MHz
Chamber volume	42 L

Display

Vessel Power Dimens

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Power s

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ght 47 kg		1.3 kW
	sions	490 x 560 x 630 mm
	ight	47 kg
AC 220V ± 10%, 50/60Hz	supply	AC 220V ± 10%, 50/60Hz



Ecoshel reserves all the rights to changes in product design, if there are any design change, we will not inform in advance.

STANDARD ACCESSORIES

- 1. Digestion vessels
- 2. Vessel holder
- 3. Pressure calibration rings
- 4. Sample rotor
- 5. Auxiliary platform
- 6. Unload tool

KEY FEATURES

- 1. 7-inch color touch screen with user-friendly interface for easy operation.
- 2. Real-time monitoring for both temperature and pressure of each vessel.
- 3. Microwave digestion technology provides excellent temperature distribution and heating rate.
- 4. Contactless sensors for a temperature and pressure precise control system.
- 5. Smart design, optimal performance, and simple operation.
- 6. 316L stainless steel chamber with multilayer Teflon coating avoids acid corrosion, also improved cooling efficiency.
- 7. User can set 1-255 programs with 10 steps each one.



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