

100W Ultrasonic Homogenizer

The OM100 is a microprocessor based, programmable ultrasonic homogenizer. Features include pulse mode and a digital display of both wattage and joules.

The unit is effective for standard cell disruption, DNA/RNA shearing, homogenization and many other applications. The OM100 is ideal for small samples and for customers that do not plan to scale up to larger volumes in the future. This model offers the same programming and display features as the OM500 unit.

Features

Programmable operation

Set time and amplitude for hands free operation

Pulse mode

Prevent heat buildup in temperature sensitive samples

Digital amplitude / intensity control

Output intensity can be set from 20-100%

Elapsed time indicator

Displays duration of sonication

Display of wattage and joules

Real-time energy monitoring

Overload protection

Prevents damage to circuitry if a fault occurs

RoHS compliant

Uses lead free components

Compact design

Takes up less space than competitive units



Stand sold separately.

Technical Specifications - <i>Specify desired voltage when ordering</i>	
Power Rating	100 Watts
Frequency	20 kHz
Timer	10 Hours
Pulse ON/OFF	1 second to 1 minute
Dimensions	W: 8" (20.3 cm), D: 13.75" (34.9 cm), H: 5.75" (14.6 cm)
Voltage	110 or 220V 50/60 Hz

OM100 Includes generator, convertor, cables and wrench set

OM100 Accessories

Probes



Sound Enclosure



Probe Part Number	Processing Volume	Tip Diameter	Amplitude
060-078	200 µL to 5 mL	5/64" (1.6 mm)	200 µm
060-125	500 µL to 15 mL	1/8" (3.2 mm)	180 µm
060-250	10 mL to 50 mL	180 µm	120 µm

Part #	Description
060-12	Sound Enclosure with Converter Holder W: 12" (30.5 cm), D: 12" (30.5 cm), H: 20" (50.8 cm)

Convertor



Support Stand



Part #	Description
060-13	Replacement Converter

Part #	Description
060-10	Support Stand with Converter Holder



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