



DATA SHEET

Ultrasonic Homogenizer - Model 3000MP

0-127-0002



Description

The Model 3000MP Ultrasonic Homogenizer delivers 300 watts of ultrasonic disruption with precision control from a microprocessor and a graphical user interface displayed on a large bright 5.7" (145 mm) LCD display.

The integrated Sound Abating Chamber reduces cavitation sound emitted during sample processing. The clear door permits viewing of the sample while processing. An access port for cables and tubing is also provided for use with Cup Tips and the Continuous Flow Chamber.

Functions

MANUAL MODE – the user defines the AMPLITUDE, can enable the PULSER feature, and monitor sample temperature during processing.

PROGRAM MODE - the user can define, store, and recall up to 10 programs. Within each PROGRAM, the AMPLITUDE, PULSER parameters, TEMPERATURE settings for COOL DOWN and SHUT DOWN temperatures, can be defined and stored.

MACRO MODE – allows the user to assemble up to 8 sequences using any of the 10 stored PROGRAMS with an optional user defined time delay, from 1 second to 99 hours, between each sequence.

The Model 3000MP Ultrasonic Homogenizer system includes the following:

Ultrasonic generator with integrated sound abating chamber with adjustable height sample table — transducer assembly — temperature probe — pair of pin wrenches — two year warranty on parts and labor.

Voltage	Catalog No.
Model 3000MP - 115V/60Hz	0-128-0001
Model 3000MP - 230V/50Hz	0-128-0002

Features	
PROCESSING VOLUME	200 µl - 3000 ml
MAX. TIP DIAMETER	1" (25.4mm)
POWER OUTPUT	0 - 300 WATTS
OUTPUT FREQUENCY	20 kHz
AUTOMATIC TUNING	YES
TIMER	1 SECONDS TO 99 HOURS
PULSER	1 SECONDS TO 99 HOURS
TEMPERATURE CONTROLLER	32 TO 212 °F (0 TO 100 °C)
DISPLAY TYPE	5.7" (145mm) GLCD

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