

ULTRASONIC HOMOGENIZER (PROBE SONICATOR)



MODEL : MS

TECHNICAL SPECIFICATIONS

Ultrasonic Homogenizers are recommended for homogenization and lysis of laboratory samples that do not require traditional grinding or rotor-stator cutting techniques for processing.

The METREX Ultrasonic Homogenizers offer precision engineering with all the necessary features to create a total system for ultrasonic disruption. In biological applications, Probe Sonicator is often used to disrupt cell membranes and release cellular contents. Probe Sonicator is also used to fragment molecules of DNA. Probe Sonicator is commonly used in nanotechnology for evenly dispersing nanoparticles in liquids and for breaking down particles to nano size.

Available in : LED or LCD control unit. (as ordered)

MAJOR FUNCTION

1. Auto-tuning and power control convenience for user.
2. Timer control the total working time for 1min. to 30min.
3. Display the remaining time on countdown state.
4. On/off impulse timer : make sure to deal with temperature sensitive sample.
On and Off be choosed to continue setting from 1s, 4s or 8s.
5. Menu operation, easy, direct type.

COMMON APPLICATIONS

1. Prepare Tissue, Prepare Emulsions, Immiscible Liquids
2. Accelerate Enzymatic Reactions, Accelerate Chemical Reactions, Stimulated Bacterial Activity
3. Disperse Solids, Degassing of Liquids, De-agglomerate Powders
4. Dissolve Powders, Dissolve Tablets, Emulsify Cosmetics
5. Extract DNA/ RNA, Extract Proteins, Emulsify Liposomes.

TECHNICAL PARAMETERS

1. Timer : digital 1 min-90min. adjustable. digital closed loop, open loop : 1s, 4s, 8s.
2. Temperature adjustment Max 99°C.
3. Piezoelectric frequency energy converter : Lead zirconatetitanate (PZT) pyroelectricceramics.
4. Standard probe : titanium alloy material Diameter (proble) : 3mm, 6mm, 10mm, 12mm.
5. Power Supply : AC 230, 50 Hz.



MODEL	MS / 150	MS / 250	MS / 500	MS / 750
Dbqbdjuz	2n rh!211n m	21n rh!311n m	36n rh!511n m	31n rh!811n m
N by!Ujq!Ejbn if s	407ln n	7ln n	7!023ln n	7!023ln n
V rnsbt pojdlQpx f s	261!X	361!X	611!X	861!X
Gf r vf odz	31!LI {	31!LI {	31!LI {	31!LI {
Ujn f s	Dzdrija!P O P GG	Dzdrija!	Dzdrija!	Dzdrija!
Qpx f s!T vqqm	341!WBD	341!WBD	341!WBD	341!WBD

SOUND ENCLOSURE

Sonication produces high pitch noise that can cause discomfort to the user and anyone in the laboratory. The Sound Enclosure significantly reduces the noise to safe levels. The internal support collar is made to safely hold the converter and probe assembly within the box. The inside of the box is water resistant and the door is made from clear acrylic so you can view your probe and sample.