

UP50H: Compact Ultrasonic Lab Homogenizer

The ultrasonic processor UP50H is typically used for the sonication of small lab samples. This homogenizer allows for the handheld or stand-mounted emulsification, dispersing, dissolving or cell disruption.



The UP50H is used in particular in **medical, biological or chemical laboratories**, where **small volumes** need to be sonicated. Application fields are found mainly in the analytical field with applications such as the disruption of tissues, the cracking of bacteria or the **homogenizing of samples in the food industry**. This device is perfectly suited for **handheld operation** with its lightweight 1,1kg, but it can also be operated at a stand. **Generator and the transducer are combined** in one unit, so there is only one cable. One power supply cord - that's all. **For volume samples from 10µL up to 250ml** we offer various replaceable sonotrodes with diameters from 0,5 to 7mm. Further accessories such as flow cells made of stainless steel or glass, timers or our PC-control are part of our standard program.



Technische Info	UP50H
Power	50W
Power control	amplitude 20-100%
Pulse range	0-100%
Operating frequency	30kHz
Afmetingen	(LxBxH) 180x130x50mm
Gewicht	1,1kg
Power supply	230V~, 0,63A, 50-60Hz 110-120V~, 1A, 50-60Hz

Soorten sonotrodes : The sonotrodes, in titanium, are the tools that transmit the ultrasound into the liquid

Accessoires :

Sonotrode	Ø (mm)	Lengte (mm)	Sample volume
MS0.5	0,5	80	0,01 - 0,5ml
MS1	1	80	0,1 - 5ml
MS2	2	80	2 - 50ml
MS3	3	80	5 - 200ml
MS7	7	80	20 - 500ml
MS7D	7	80	With D7K only
MS7L2D	7	160	With D7K only

Referentie	Omschrijving
STH-16	Fixture for stand
ST1-16	Stand, diam. 16mm height 600 mm, base 300 x 150mm
ST1-Clamp	clamp for use with stand stand ST1-16
T1	Timer, from 00:00 to 99:59 (min:sec)
PowMet230	Power meter PowMet230, versatile, for display of current power, 230V~1P, 50-60Hz, safety plug: European standard type
SPB-L	Sound protection box, with vertically adjustable table and Ø 16mm stand bar, for UP50H or UP100H
D7K	Flow vessel (volume 13 ml) with cooling
GD7K	Flow vessel made of glass with cooling