



LABSONIC® P

The high-performance ultrasonic homogenizer

The LABSONIC® P homogenizer is designed for higher output up to 400 W and correspondingly for treatment of larger samples. Several liters² can be sonicated in batch mode, whereas 10 to 50 L/h can be processed in continuous mode using a flow cell.

Sonication amplitude can be set between 20 and 100% of the maximum output of 400 W, active time interval between 0.2 and 1.0 sec. This helps to prevent sample denaturation by heating or foaming. Service life of the titanium sonotrodes is increased by automatic length determination and frequency adjustment.

The LABSONIC® P is preferably used together with a sound dampening box to protect the user from excess noise.

Benefits

- sonication of larger samples
- selectable amplitude and active cycle
- self-optimization of energy output

Technical specifications

Dimensions	W × H × D= 135 × 280 × 95 mm
Weight	8.8 kg
Line voltage	230 V 50 Hz or 115 V 60 Hz
Output	400 W (300 W in aqueous media)
Output settings	20% to 100%, continuous
Duty cycle (pulsed operation)	10% to 100%, continuous
Timer	Optional, by external timer
Working frequency	24 kHz according to US Standard
Accuracy	±1 kHz
Max. energy density	12 to 600 W/cm ² depending on sonotrode
Max. amplitude	12 to 260 μm depending on sonotrode
Operational stability	Permanent operation, also in air
Fuses	T2A primary (internal)
Protection class protection	I, grounded device IP 40
Interference	According to EN 55011 EN 50082-2
PC-connection	Optional, socket integrated
Ambient temperature	+5°C to +40°C
Humidity	Avoid extreme humidity

Ordering information

BBI-8535108

LABSONIC® P
230 V|50 Hz

BBI-8535116

LABSONIC® P
115 V|60 Hz

All units are delivered without probes and further accessories.

Accessories

01|



Reference

Description

For sample
volume (ml)

Reference	Description	For sample volume (ml)
Probes made of Titanium, normal length		
BBI-853 5124	Probe Ø 3 mm, approx. 100 mm long	5–200
BBI-853 5132	Probe Ø 7 mm, approx. 100 mm long	20–500
BBI-853 5140	Probe Ø 14 mm, approx. 100 mm long	100–2000
BBI-853 5159	Probe Ø 22 mm, approx. 100 mm long	100–2000
BBI-853 5167	Probe Ø 40 mm, approx. 100 mm long	200–4000

02|



Reference	Description	For sample volume (ml)
Accessories for sonication in a flow cell		
BBI-853 5175	Probe Ø 22 mm, for flow cells 853 5213, approx. 100 mm long	10–50 l/h
BBI-853 5183	Probe Ø 22 mm, long form, for flow cells 853 5221, approx. 200 mm long!	10–50 l/h
BBI-853 5213	Flow cell including cooling connection, stainless steel 1.4301, autoclavable, with quick connector For operation a probe 853 5175 is required!	
BBI-853 5221	Flow cell including cooling connection, glass, autoclavable, for sonicating liquids in a closed system Norm adapter 853 5230 is required	
BBI-853 5230	Norm adapter for glass flow cell 853 5221	

03|

**Reference****Description****Further accessories**

BBI-853 5272	Stand ST-16, Ø 16 mm, rod made of aluminium, plate stainless steel 1.4301
BBI-853 5779	Timer, for connection to LABSONIC® P
BBI-853 5248	PC-control for LABSONIC® P, including recording of input power, slot-in card for PC, connecting cable and software for Windows 95/98
BBI-853 5256	PC-control for LABSONIC® P, including recording of input power and temperature, slot-in card for PC, connecting cable and software for Windows 95/98
BBI-853 5809	Sound dampening chamber SB1 for LABSONIC® P