

The ultrasonic processor UP50H (50 watts, 30kHz) is the smallest model of our aesthetic laboratory devices, that are only supplied by the Dr. Hielscher GmbH in that compact form.

The UP50H is used in particular in medical, biological or chemical laboratories, in which small volumes are to be sonicated. Application fields are to be 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.

Even if this device is perfectly suited for manual operation with its lightweight 800g, it can also be operated with stand. Since the generator and the transducer combined in one unit, there are no hassles with cords. 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.

Below, you will find the technical specifications.

Technical Data	UP50H
power	50W
power control	amplitude 20-100%
pulse range	0-100%
operating frequency	30kHz
dimensions	(LxWxH) 180x130x50mm
weight	1.10kg
power supply	230V~, 0.63A, 50-60Hz 110-120V~, 1A, 50-60Hz
<b>Prix HT</b>	<b>2 200.00 EUR</b>

These are the available sonotrodes for the UP50H ultrasonic processor.

sonotrode	Ø (mm)	length (mm)	sample volume	Price EUR
MS0.5	0.5	80	0.01-0.5ml	<b>311.00</b>
MS1	1	80	0.1-5ml	<b>311.00</b>
MS2	2	80	2-50ml	<b>253.00</b>
MS3	3	80	5-200ml	<b>253.00</b>
MS7	7	80	20-500ml	<b>207.00</b>
MS7D	7	80	With D7K only	<b>334.00</b>

[www.imlab.be](http://www.imlab.be)

**Further accessories**

Reference	Description	Price EUR
D7K	flow vessel ( volume 13 ml ) with cooling	<b>478.00</b>
GD7K	flow vessel made of glass with cooling	<b>415.00</b>
STH-16	fixture for stand	<b>109.00</b>
ST1	stand	<b>196.00</b>
T1	timer, from 00:00 to 99:59 (min:sec)	<b>196.00</b>
UPC200(T)	PC-control	<b>1 555.00</b>
NSA1	standard ground adapter for MS7LD	<b>253.00</b>
SB2-16	sound-protection box	<b>1 037.00</b>

UP 50 H

