

**UP100H - Compact Ultrasonic Laboratory Device****HIELSCHER 01-1-2009**

The ultrasonic processor UP100H (100 watts, 30kHz) has the same dimensions as the UP50H but it is suited for the double power output. A weight of only 800g makes it a lightweight in the hand. An operation at the stand is possible, too. The generator and the transducer are combined in one unit, so that there are no hassles with cables. One power supply cable - that's all. With the use of the 10mm sonotrode the field of applications expands to applications with volumes of up to 500ml. All other features and standard equipment are equal to those of the ultrasonic processor UP50H .

Therefore this device is ideal for applications with very small as well as medium-sized samples as e.g. samples for the homogenizing of soil or waste water, emulsifying , deagglomerating, degassing or the cleaning of small bores. It is very useful for preparations of emulsions, creams & lotions. It can pulverize powders completely. For continuous operation only a flow cell and the appropriate 7mm sonotrode is required. Continuous processes in the smallest scale can be simulated. The optional PC-control may be helpful, if a test record is necessary or to optimize processes.

<b>Technical Data</b>	
<b>power</b>	100W
<b>power control</b>	amplitude 20-100%
<b>pulse range</b>	0-100%
<b>operating frequency</b>	30kHz
<b>dimensions</b>	(LxWxH) 180x130x50mm
<b>weight</b>	1.10kg
<b>power supply</b>	230V~, 1A, 50-60Hz 110-120V~, 2A, 50-60Hz
<b>Prix hors taxes</b>	<b>2 534.00 EUR</b>

**UP100H – Accessories**[www.imlab.com](http://www.imlab.com)

These are the available accessories for the UP100H ultrasonic processor.

sonotrode	Ø (mm)	length (mm)	sample volume	Prix htva 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>
MS10	10	80	20-500ml	<b>230.00</b>

**further accessories**

Reference	Description	Prix HT EUR
D7K	flow vessel 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>

