

SONOPULS Product overview

Thanks to the wide variety of devices and accessories, the optimum equipment can be put together for the respective application:

- Selection of the SONOPULS series
- Probe type
- Direct or indirect sonication
- Sonication of larger quantities in flow-through
- Cooling during sonication

Even after purchasing a device for individual initial applications, there are many options for customising it for further applications by purchasing various accessories at a later date.



HD 5000 Series

The new one with 7" touch display

HD 4000 series

Our proven bestseller



	HD 5000 Series	HD 4000 series
Probenvolumine im - Batch operation - Flow-through operation	0.1–1,000 ml up to 100 l/h	0.5–3,000 ml up to 100 l/h
Possible probes Ø [mm]	1.5 / 2 / 2,5 / 3 / 4,5 / 6 / 9 / 13 / 16 / 19 / 25	2 / 3 / 4.5 / 6 / 9 / 13 / 16 / 19 / 25 / 32 / 38
Possible configurations: Ultrasonic generator GM, Ultrasonic converter UW	GM 5050 + UW 5020 or UW 5050 GM 5200 + UW 5100 or UW 5200	GM 4200 + UW 200 or UW 100 or UW 50 GM 4400 + UW 400 or UW 200
Relative Amplitude	10-100 %	10-100 % (setting range depends on probe type)
Automatic Amplitude limitation	after entering the probe type on the generator	after entering the probe type on the generator
Pulsation	Working intervals 0.5-600 s Rest intervals 0.5-600 s	Working intervals 0.2-600 s Rest intervals 0.3-600 s
Time setting	99 h 59 min 59 s or continuous operation	9 h 59 min 59 s or continuous operation
Display elements	7" touch display, color	alphanumeric LC display
Energy display	in Ws	in kJ
Temperaturedisplay and measurement	optional, -10 to 120 °C, Temperature sensor required, optional acoustic signal / switch off	optional, -10 to 120 °C, Temperature sensor required, optional acoustic signal / switch off
Batch operation Sequencing	✓ several batches in succession	✓ several batches in succession
Interface	Ethernet, USB	RS 232 (Sub-D)
Fault diagnosis	✓	✓
Operating frequency	20/30 kHz	20 kHz
Programmmemory	8	9
Function test	✓	✓
Mains connection	HD 5020/5050: 100-240 V~ (±10%), 50/60 Hz HD 5100/5200: 230 VAC (±10%), 50/60 Hz	230 V~ (±10%), AC 115 V~ (±10%), 50/60 Hz (except HD 4400)