

SONOPOWER))

Ultrasonic module generators

CLEANING TECHNOLOGY



Ultrasonic module generators

are tried and tested devices which have been specifically developed for the high demands of industrial cleaning technology. Due to their modular design they are perfectly suited for all applications.

- Constant power output – continuously adjustable between 40–100%
- Constant oscillation amplitude
- Interface for monitoring and controlling process-relevant functions
- Protection from short-circuit, no-load operation, overload and overheating comes as standard
- Standard frequencies: 25, 30, 40 and 80 to 150 kHz
Other frequencies available on request

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Applications

Requiring a minimum of space, the extremely compact generator modules in the SONOPOWER series can be implemented in even the most extensive systems, such as applications in industrial component cleaning or electroplating. Each module is an independent power unit which can be monitored and controlled separately via a programmable controller interface.

Three different casings are available for the generators: Depending on the total output, the GTE 84 casing can host a maximum of 5 modules and the power is supplied as three-phase current 3×400 Volt 50/60 Hz (5-wire system). Up to 2 modules with a maximum output of 1,500 W each can be integrated into the GTE 42 casing. As for the GTE 28 casing, which has been designed for 1 module with up to 2 kW power output, a single-phase mains connection with 230 Volt 50/60 Hz is sufficient as power supply.

Operational reliability

100% dry run protection – Since SONOPOWER module generators automatically detect the risk of running dry and reduce the output accordingly when using ultrasonic transducers of the SONOPUSH series, damage to the ultrasonic devices is effectively prevented. This makes otherwise necessary tank level monitoring redundant. The operating status is clearly visible at all times on LED displays on the front panel. SONOPOWER module generators are CE certified and tested by the German Association for Safety Inspections TÜV in Mannheim.



SONOPOWER (GTE 84 casing)

< Cover illustration: SONOPOWER (GTE 42 casing)

For rod transducers Ø50 mm			
25 kHz	Article	Type SP	Length A mm
	402 000 01	WU 600	198
	402 000 02	WU 600	297
	402 000 03	WU 1000	297
	402 000 04	WU 1000	396
	402 000 05	WU 1000	495
	402 000 06	WU 1200	396
	402 000 07	WU 1200	495
	402 000 08	WU 1500	495
	402 000 09	WU 1500	594
	402 000 10	WU 1500	693
	402 000 11	WU 1500	891
	402 000 12	WU 2000	891
	402 000 13	WU 2000	1089
	402 000 14	WU 2000	1287

For submersible transducers		
25 kHz	Article	Type T
	401 000 03	WU 600
	401 000 04	WU 1000
	401 000 05	WU 1200
	401 000 06	WU 1500
	401 000 07	WU 2000

For rod transducers Ø38 mm			
30 kHz	Article	Type SP	Length A mm
	402 100 01	WU 600	270
	402 100 03	WU 600	354
	402 100 06	WU 1000	437
	402 100 08	WU 1000	520
	402 100 24	WU 1000	604
	402 100 10	WU 1200	604
	402 100 14	WU 1500	687

For submersible transducers		
30 kHz	Article	Type T
	401 100 03	WU 600
	401 100 04	WU 1000
	401 100 05	WU 1200
	401 100 06	WU 1500
	401 100 07	WU 2000

For rod transducers Ø30 mm			
40 kHz	Article	Type SP	Length A mm
	402 200 02	WU 300	201
	402 200 04	WU 500	264
	402 200 06	WU 750	391
	402 200 07	WU 1000	517
	402 200 09	WU 1200	770

For submersible transducers		
40 kHz	Article	Type T
	401 200 03	WU 600
	401 200 04	WU 1000
	401 200 05	WU 1200
	401 200 06	WU 1500
	401 200 07	WU 2000

Types of casings / Dimensions (W×H×D):

All devices with 25-pole d-sub remote control interface socket.
 GTE 84: 449×222×411 mm at 3×400 V - 50/60 Hz
 GTE 42: 236×222×411 mm at 230 V - 50/60 Hz
 GTE 28: 168×180×410 mm at 230 V - 50/60 Hz