

SONIC DIGITAL))

Ultrasonic module generators

SURFACE TECHNOLOGY



SONIC DIGITAL module generators

set new standards in ultrasonic technology by applying digital frequency generation, possible separation of generator and control element and innovative protective systems.

- Constant power output – digitally controllable between 50 – 100%
- Interface for monitoring and controlling process-relevant functions
- Switched mode power supply
- High efficiency – low heat build-up
- Optimized operational reliability
- Standard frequencies: 25, 30, 40 and 80 to 150 kHz
Other frequencies available on request

Applications

The high-performance and reliable SONIC DIGITAL module generators can be used for numerous applications in cleaning and surface technology. Digital frequency generation and control, constant power output and interval function ensure extremely precise ultrasonic treatment of components.

Due to the ability to physically separate the generator and the control element, the power section can be fitted in the control cabinet while the operation can be performed from the control console or from the workplace under ideal ergonomic conditions. The Premium version with encoder, LED performance and status display and LCD multifunction display with detailed plain text display offers easy and safe operation. The service unit or removable front control panel which is available as an option for the Basic version has two menu items. In the main menu you can set the on/off, output and timer functions. The password-protected menu item "Start-up" allows you to change set parameters quickly without measuring devices.

An RS 232 interface is also available if you wish to operate the generators from your PC.

Operational reliability

SONIC DIGITAL module generators are equipped with various innovative protective functions for maximum operational reliability. These include the intelligent cooling system: The temperature of the heat sink is continuously monitored. If the temperature exceeds a defined value, sensors start the integrated casing fan. If necessary, this cooling reduces the air flow significantly and thereby also the soiling of the module. At the same time a constant operating temperature of the system is ensured, which also increases the service life of the components. There is also standard protection against short-circuit, no-load operation and overload. 100% dry run protection – When using ultrasonic transducers of the SONOPUSH® series, SONIC DIGITAL module generators detect the risk of running dry and reduce the output automatically.



SONIC DIGITAL (TE 28 casing)



SONIC DIGITAL (GTE 84 topline casing)

TD – For submersible and plate transducers

Basic			Premium		
25 kHz	Article	Type	25 kHz	Article	Type
	404 400 60	WU 300 TD 25-B		404 400 01	WU 300 TD 25-P
	404 400 61	WU 600 TD 25-B		404 400 02	WU 600 TD 25-P
	404 400 62	WU 1000 TD 25-B		404 400 03	WU 1000 TD 25-P
	404 400 63	WU 1200 TD 25-B		404 400 04	WU 1200 TD 25-P
	404 400 64	WU 1500 TD 25-B		404 400 05	WU 1500 TD 25-P
	404 400 65	WU 2000 TD 25-B		404 400 06	WU 2000 TD 25-P
	404 400 66	WU 3000 TD 25-B	404 400 07	WU 3000 TD 25-P	
30 kHz	Article	Type	30 kHz	Article	Type
	404 400 70	WU 300 TD 30-B		404 400 10	WU 300 TD 30-P
	404 400 71	WU 600 TD 30-B		404 400 11	WU 600 TD 30-P
	404 400 72	WU 1000 TD 30-B		404 400 12	WU 1000 TD 30-P
	404 400 73	WU 1200 TD 30-B		404 400 13	WU 1200 TD 30-P
	404 400 74	WU 1500 TD 30-B		404 400 14	WU 1500 TD 30-P
	404 400 75	WU 2000 TD 30-B		404 400 15	WU 2000 TD 30-P
40 kHz	Article	Type	40 kHz	Article	Type
	404 400 80	WU 300 TD 40-B		404 400 20	WU 300 TD 40-P
	404 400 81	WU 600 TD 40-B		404 400 21	WU 600 TD 40-P
	404 400 82	WU 1000 TD 40-B		404 400 22	WU 1000 TD 40-P
	404 400 83	WU 1200 TD 40-B		404 400 23	WU 1200 TD 40-P
	404 400 84	WU 1500 TD 40-B		404 400 24	WU 1500 TD 40-P
	404 400 85	WU 2000 TD 40-B		404 400 25	WU 2000 TD 40-P
	400 400 86	WU 3000 TD 40-B	404 400 26	WU 3000 TD 40-P	

SD – For rod transducers

Basic			Premium		
25 kHz	Article	Type	25 kHz	Article	Type
	404 400 91	WU 600 SD 25-B		404 400 31	WU 600 SD 25-P
	404 400 91A	WU 600 SD 25-B		404 400 31A	WU 600 SD 25-P
	404 400 92	WU 1000 SD 25-B		404 400 32	WU 1000 SD 25-P
	404 400 92A	WU 1000 SD 25-B		404 400 32A	WU 1000 SD 25-P
	404 400 92B	WU 1000 SD 25-B		404 400 32B	WU 1000 SD 25-P
	404 400 93	WU 1200 SD 25-B		404 400 33	WU 1200 SD 25-P
	404 400 93A	WU 1200 SD 25-B		404 400 33A	WU 1200 SD 25-P
	404 400 94	WU 1500 SD 25-B		404 400 34	WU 1500 SD 25-P
	404 400 94A	WU 1500 SD 25-B		404 400 34A	WU 1500 SD 25-P
	404 400 94B	WU 1500 SD 25-B		404 400 34B	WU 1500 SD 25-P
	404 400 94C	WU 1500 SD 25-B		404 400 34C	WU 1500 SD 25-P
	404 400 95	WU 2000 SD 25-B		404 400 35	WU 2000 SD 25-P
	404 400 95A	WU 2000 SD 25-B		404 400 35A	WU 2000 SD 25-P
	404 400 95B	WU 2000 SD 25-B	404 400 35B	WU 2000 SD 25-P	
30 kHz	Article	Type	30 kHz	Article	Type
	404 401 01	WU 600 SD 30-B		404 400 41	WU 600 SD 30-P
	404 401 01A	WU 600 SD 30-B		404 400 41A	WU 600 SD 30-P
	404 401 02	WU 1000 SD 30-B		404 400 42	WU 1000 SD 30-P
	404 401 02A	WU 1000 SD 30-B		404 400 42A	WU 1000 SD 30-P
	404 401 02B	WU 1000 SD 30-B		404 400 42B	WU 1000 SD 30-P
	404 401 03	WU 1200 SD 30-B		404 400 43	WU 1200 SD 30-P
	404 401 04	WU 1500 SD 30-B	404 400 44	WU 1500 SD 30-P	
40 kHz	Article	Type	40 kHz	Article	Type
	404 401 10	WU 300 SD 40-B		404 400 50	WU 300 SD 40-P
	404 401 14	WU 500 SD 40-B		404 400 54	WU 500 SD 40-P
	404 401 15	WU 750 SD 40-B		404 400 55	WU 750 SD 40-P
	404 401 12	WU 1000 SD 40-B		404 400 52	WU 1000 SD 40-P
	404 401 13	WU 1200 SD 40-B		404 400 53	WU 1200 SD 40-P

Mains connection: 230 V - 50/60 Hz single-phase (TE28).

400 V - 50/50 Hz three-phase (TE84).

All devices with 15-pole d-sub remote control interface socket.

Installation in RACK control cabinets possible.

Option: Service unit and front control panel on request.