

SONIC DIGITAL ULC))

Ultrasonic generators

SURFACE TECHNOLOGY



SONIC DIGITAL ULC generators

are ideal stand-alone devices: They are extremely compact and light and at the same time robust and easy to use. Their maximum output is 400 Watt.

- Digital frequency generation and control
- Constant power output – continuously adjustable 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 on request

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Applications

SONIC DIGITAL ULC generators are the ideal devices for cleaning applications where an output of up to 400 Watt is sufficient. Generators in this series convince by the following product advantages: They are small, compact, robust and cost-efficient. Digital frequency generation and control, constant power output and interval function ensure extremely precise ultrasonic treatment of components. 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 with multifunction display 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 easily without measuring devices and also to perform maintenance quickly. An RS 232 interface is also available if you wish to operate the generators from your PC.

Operational reliability

SONIC DIGITAL ULC generators are equipped with various innovative protective functions for the highest 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 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. When using ultrasonic transducers of the SONOPUSH® series, SONIC DIGITAL ULC module generators detect the risk of running dry and reduce the output automatically. Advantage: 100% dry run protection.



SONIC DIGITAL ULC Basic

ULC TD – For submersible and plate transducers

Basic		Premium		
25 kHz	Article	Type	Article	Type
	404 421 01	ULC 200 TD 25-B		404 423 01
	404 421 21	ULC 400 TD 25-B	404 423 09	ULC 400 TD 25-P
30 kHz	Article	Type	Article	Type
	404 421 04	ULC 200 TD 30-B		404 423 05
	404 421 12	ULC 400 TD 30-B	404 423 11	ULC 400 TD 30-P
40 kHz	Article	Type	Article	Type
	404 421 08	ULC 200 TD 40-B		404 423 07
	404 421 16	ULC 400 TD 40-B	404 423 13	ULC 400 TD 40-P

ULC SD – For rod transducers

Basic		Premium		
25 kHz	Article	Type	Article	Type
	404 421 02	ULC 200 SD 25-B		404 423 03
	404 421 22	ULC 400 SD 25-B	404 423 19	ULC 400 SD 25-P
30 kHz	Article	Type	Article	Type
	404 421 20	ULC 200 SD 30-B		404 423 15
	404 421 23	ULC 400 SD 30-B	404 423 20	ULC 400 SD 30-P
40 kHz	Article	Type	Article	Type
	404 421 06	ULC 200 SD 40-B		404 421 18
	404 421 24	ULC 400 SD 40-B	404 421 21	ULC 400 SD 40-P

Dimensions (W×H×D):
250×75×180 mm

Weight: 2.8 kg

Mains connection: 230 V - 50/60 Hz single-phase
All devices with 15-pole d-sub remote control interface socket.



SONIC DIGITAL ULC with service unit