

# SONIC DIGITAL LC ))

## Ultrasonic generators

SURFACE TECHNOLOGY



**SONIC DIGITAL LC ultrasonic generators** unite the latest in digital technology with simple handling and a robust, compact design. The perfect stand-alone devices for applications requiring up to 2,000 Watts of power.

- 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 available on request

# SONIC DIGITAL LC ))

## Ultrasonic generators

### Application

Whether fitting out a unit for the first time or retrofitting an existing installation – the extremely compact SONIC DIGITAL stand-alone generators are ideally suited for cleaning and surface treatment applications where space is at a premium. With digital frequency generation and control, absolutely constant power output and their interval function, SONIC DIGITAL LC generators set new standards in the power range up to 2,000 Watt.

The premium equipment with encoder, LED output and status display as well as LCD multifunction display with detailed text display ensures simple and reliable 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 quickly and easily without measuring devices and also to perform maintenance. An RS 232 interface is also available if you wish to operate the generators from your PC.

### Operational reliability

SONIC DIGITAL LC 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 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 LC generators detect the risk of dry running and reduce the output automatically. Advantage: 100% dry run protection.



SONIC DIGITAL LC BASIC with service unit

### LC TD – Submersible and plate transducers

#### Basic

25 kHz	Article	Type
	404 421 25	LC 600 TD 25-B
	404 500 01	LC 800 TD 25-B
	404 500 10	LC 1000 TD 25-B
	404 500 20	LC 1200 TD 25-B
	404 500 30	LC 1500 TD 25-B
	404 500 40	LC 2000 TD 25-B

30 kHz	Article	Type
	404 421 28	LC 600 TD 30-B
	404 500 02	LC 800 TD 30-B
	404 500 11	LC 1000 TD 30-B
	404 500 21	LC 1200 TD 30-B
	404 500 31	LC 1500 TD 30-B
	404 500 41	LC 2000 TD 30-B

40 kHz	Article	Type
	404 421 31	LC 600 TD 40-B
	404 500 03	LC 800 TD 40-B
	404 500 12	LC 1000 TD 40-B
	404 500 22	LC 1200 TD 40-B
	404 500 32	LC 1500 TD 40-B
	404 500 42	LC 2000 TD 40-B

#### Premium

25 kHz	Article	Type
	404 423 22	LC 600 TD 25-P
	404 500 50	LC 800 TD 25-P
	404 500 60	LC 1000 TD 25-P
	404 500 70	LC 1200 TD 25-P
	404 500 80	LC 1500 TD 25-P
	404 500 90	LC 2000 TD 25-P

30 kHz	Article	Type
	404 423 25	LC 600 TD 30-P
	404 500 51	LC 800 TD 30-P
	404 500 61	LC 1000 TD 30-P
	404 500 71	LC 1200 TD 30-P
	404 500 81	LC 1500 TD 30-P
	404 500 91	LC 2000 TD 30-P

40 kHz	Article	Type
	404 423 28	LC 600 TD 40-P
	404 500 52	LC 800 TD 40-P
	404 500 62	LC 1000 TD 40-P
	404 500 72	LC 1200 TD 40-P
	404 500 82	LC 1500 TD 40-P
	404 500 92	LC 2000 TD 40-P

### LC SD – For rod transducers

#### Basic

25 kHz	Article	Type
	404 421 26	LC 600 SD 25-B
	404 501 00	LC 800 SD 25-B
	404 501 10	LC 1000 SD 25-B
	404 501 20	LC 1200 SD 25-B
	404 501 30	LC 1500 SD 25-B
	404 501 40	LC 2000 SD 25-B

30 kHz	Article	Type
	404 421 29	LC 600 SD 30-B
	404 501 01	LC 800 SD 30-B
	404 501 11	LC 1000 SD 30-B
	404 501 21	LC 1200 SD 30-B
	404 501 31	LC 1500 SD 30-B

40 kHz	Article	Type
	404 421 32	LC 600 SD 40-B
	404 501 02	LC 800 SD 40-B
	404 501 12	LC 1000 SD 40-B
	404 501 22	LC 1200 SD 40-B

#### Premium

25 kHz	Article	Type
	404 423 23	LC 600 SD 25-P
	404 501 50	LC 800 SD 25-P
	404 501 60	LC 1000 SD 25-P
	404 501 70	LC 1200 SD 25-P
	404 501 80	LC 1500 SD 25-P
	404 501 90	LC 2000 SD 25-P

30 kHz	Article	Type
	404 423 26	LC 600 SD 30-P
	404 501 51	LC 800 SD 30-P
	404 501 61	LC 1000 SD 30-P
	404 501 71	LC 1200 SD 30-P
	404 501 81	LC 1500 SD 30-P

40 kHz	Article	Type
	404 423 29	LC 600 SD 40-P
	404 501 52	LC 800 SD 40-P
	404 501 62	LC 1000 SD 40-P
	404 501 72	LC 1200 SD 40-P

Dimensions (W×H×D):  
250×130×270 mm

Weight: 5.5 kg

Mains connection: 230 V - 50/60 Hz single-phase

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