

SONIC DIGITAL MULTI PURPOSE LC))

Ultrasonic generators

MULTI PURPOSE



SONIC DIGITAL MULTI PURPOSE LC generators

which boast innovative technology, six different frequencies, simple operation and a compact design, are the ideal stand-alone solution for ultrasonic units and hand-held units requiring up to 2,000 watts.

- High stability of frequency, amplitude and time
- Power output continuously adjustable between 50% and 100%
- Interface for monitoring and controlling process-relevant functions
- Switched mode power supply
- High efficiency at low heat build-up rates
- Optimised operational safety
- Standard frequencies: 20, 25, 30, 35, 36 and 40 kHz, additional frequencies on request
- Optimised welding software

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Applications

Whether it is required for an ultrasonic unit or a hand-held unit, the compact and robust SONIC DIGITAL MULTI PURPOSE LC generators can be used for welding, soldering, cutting, punching, drilling, milling and for special applications while taking up a minimum of space. They allow perfect and reproducible results with a constant frequency, amplitude and power output. Moreover they offer a high degree of flexibility due to six different frequencies and outputs of up to 2,000 watts.

The ergonomic user concept of the Basic version allows the power unit and the control panel to be installed in separate locations. The generator can thus be installed in a suitable place while being conveniently operated from the workplace.

The Premium version with encoder, LED output and status display as well as a LCD multifunction display with detailed text display offers easy and safe operation. The service unit with multifunction display, which is an optional extra for the Basic version, can be used for controlling the generator.

Operational safety

SONIC DIGITAL MULTI PURPOSE generators are equipped with various innovative protective functions for the highest operational safety. This includes an intelligent cooling system as well as protection against short-circuiting, no-load operation and overloading.

New software for ultrasonic welding!

SONIC DIGITAL MULTI PURPOSE generators are now equipped with pioneering new software. Alongside the various welding modes (Weld by Remote, Weld by Time, Weld by Energy, Weld by Peak Power and Weld by Pulse), they offer the "Trigger", "Holding" and "Afterburst" functions.

Modes and functions that are not needed can be deactivated to prevent a mode or function being selected by mistake.

The advantage: when making preselections for an application, incorrect welding procedures can be prevented before they happen. Deactivated modes and functions can be reactivated at any time if they are needed for a new application.

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Basic

20 kHz	Article	Type
	404 421 27	LC 600 MP 20
	404 502 00	LC 800 MP 20
	404 502 10	LC 1000 MP 20
	404 502 14	LC 1200 MP 20
	404 502 20	LC 1500 MP 20
	404 502 21	LC 2000 MP 20

Premium

20 kHz	Article	Type
	404 423 24	LC 600 MP 20
	404 502 50	LC 800 MP 20
	404 502 60	LC 1000 MP 20
	404 502 64	LC 1200 MP 20
	404 502 70	LC 1500 MP 20
	404 502 71	LC 2000 MP 20

Basic

30 kHz	Article	Type
	404 421 30	LC 600 MP 30
	404 502 01	LC 800 MP 30
	404 502 11	LC 1000 MP 30
	404 502 31	LC 1200 MP 30

Premium

30 kHz	Article	Type
	404 423 27	LC 600 MP 30
	404 502 51	LC 800 MP 30
	404 502 61	LC 1000 MP 30
	404 502 65	LC 1200 MP 30

Basic

35 kHz	Article	Type
	404 421 33	LC 600 MP 35
	404 502 02	LC 800 MP 35
	404 502 12	LC 1000 MP 35
	404 502 22	LC 1200 MP 35

Premium

35 kHz	Article	Type
	404 423 30	LC 600 MP 35
	404 502 52	LC 800 MP 35
	404 502 62	LC 1000 MP 35
	404 502 66	LC 1200 MP 35

Basic

40 kHz	Article	Type
	404 421 34	LC 600 MP 40
	404 502 03	LC 800 MP 40
	404 502 13	LC 1000 MP 40
	404 502 23	LC 1200 MP 40

Premium

40 kHz	Article	Type
	404 423 31	LC 600 MP 40
	404 502 53	LC 800 MP 40
	404 502 73	LC 1000 MP 40
	404 502 63	LC 1200 MP 40

Dimensions (W×H×D):
250×130×270 mm

Weight: 5,5 kg

Mains connection: 230V-50/60Hz single-phase
110 V to 1,000 watts can be reached without additional measures.

An additional transformer is required for generator outputs up to 1,000 W.

Option: Service unit on request.

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