

SONIC DIGITAL MULTI PURPOSE))

Ultrasonic module generators

MULTI PURPOSE



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module generators guarantee precise and reproducible results in the long-term due to six different frequencies, power outputs of up to 3,000 watts and innovative technology. They also set new standards with their integrated safety and ergonomic operating concept.

- Long-term stability of frequency, amplitude and output
- Power output controllable 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

SONIC DIGITAL MULTI PURPOSE module generators are the first choice when it comes to manufacturing ultrasonic systems for welding, soldering, cutting, drilling, punching and many other applications due to their high performance and reliability. The variety of available standard frequencies and power outputs also makes a sizeable contribution to this.

The option of separating the generator and the control panel enables operation in an ergonomically ideal way: while the power section is fitted in the control cabinet, the unit can be operated from the control console of the unit or the workplace.

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

Operational safety

SONIC DIGITAL MULTI PURPOSE module 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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20 kHz		20 kHz	
Basic		Premium	
Article	Type	Article	Type
405 300 21	MG 600 MP 20	405 000 01	MG 600 MP 20
405 300 23	MG 800 MP 20	405 000 03	MG 800 MP 20
405 300 25	MG 1000 MP 20	405 000 05	MG 1000 MP 20
405 300 27	MG 1500 MP 20	405 000 07	MG 1500 MP 20
405 300 29	MG 2000 MP 20	405 000 09	MG 2000 MP 20
405 300 31	MG 3000 MP 20	405 000 21	MG 3000 MP 20
405 300 32	MG 4000 MP 20	405 000 22	MG 4000 MP 20

30 kHz		30 kHz	
Basic		Premium	
Article	Type	Article	Type
405 300 33	MG 400 MP 30	405 100 01	MG 400 MP 30
405 300 35	MG 800 MP 30	405 100 03	MG 800 MP 30
405 300 36	MG 1000 MP 30	405 100 04	MG 1000 MP 30
405 300 37	MG 1200 MP 30	405 100 05	MG 1200 MP 30

35 kHz		35 kHz	
Basic		Premium	
Article	Type	Article	Type
405 300 39	MG 400 MP 35	405 200 01	MG 400 MP 35
405 300 41	MG 800 MP 35	405 200 03	MG 800 MP 35
405 300 43	MG 1200 MP 35	405 200 05	MG 1200 MP 35

40 kHz		40 kHz	
Basic		Premium	
Article	Type	Article	Type
405 300 45	MG 400 MP 40	405 300 01	MG 400 MP 40
405 300 47	MG 800 MP 40	405 300 03	MG 800 MP 40
405 300 49	MG 1200 MP 40	405 300 05	MG 1200 MP 40

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

Option: Service unit on request.