

SONIC DIGITAL MULTI PURPOSE SYSTEM))

Welding, soldering, cutting, drilling, screening,
riveting, punching and much more

MULTI PURPOSE

SONIC DIGITAL

BASIC



SONIC DIGITAL MULTI PURPOSE MODULE



SONIC DIGITAL MULTI PURPOSE LC



SONIC DIGITAL MULTI PURPOSE ULC



SONIC DIGITAL MULTI PURPOSE HS



SONIC DIGITAL MULTI PURPOSE ULC OF



Mounting frame / Control panel



Service unit

PREMIUM



SONIC DIGITAL MULTI PURPOSE MODULE



SONIC DIGITAL MULTI PURPOSE LC



SONIC DIGITAL MULTI PURPOSE ULC

- Maximum stability of frequency, amplitude and time
- Power output of 200 watts to 4,000 watts
- Various ultrasonic welding modes in one device
- Interface for monitoring and controlling process-relevant functions
- Generator and control panel can be installed at different locations
- Innovative safety features as standard
- Standard frequencies: 20, 25, 30, 35, 36 and 40 kHz, additional frequencies on request
- Available as a module generator, DIN rail generator, open frame and stand-alone solution with housing

SONIC DIGITAL MULTI PURPOSE SYSTEM

is tailor-made for the field of application, enabling it to offer the highest level of efficiency and process safety. This in turn enables you to realise ultrasonic systems for new applications. We would be pleased to advise you.

SONIC DIGITAL MULTI PURPOSE SYSTEM))

Ultrasonic generators

Welding, soldering, cutting, drilling, screening, riveting, punching

MULTI PURPOSE

➤ **Innovative technology and unrivalled variety ensure the highest efficiency in all applications**

Whether welding, soldering, cutting, punching, screening or performing special applications – the new SONIC DIGITAL MULTI PURPOSE ultrasonic generators enable you to build ultrasonic systems tailor-made for specific applications due to a unique variety of frequencies and outputs. Using innovative technology, they guarantee reproducible results of a consistently high quality in every application.

The 25 kHz generator has been developed as an alternative to the conventional 20 kHz generator and can be used in the same fields of application. It solves the problem of noise emission that occurs in the 20 kHz range as this is no longer audible to the human ear at 25 kHz.

Moreover configurations that are perfectly adapted to requirements allow the ideal and competitive solution to be realised for existing and new applications, for example in photovoltaics or electronics manufacturing.

➤ **SONIC DIGITAL MULTI PURPOSE Premium – one frequency for different processes**

SONIC DIGITAL MULTI PURPOSE Premium generators are ideal for carrying out different processes using a single frequency. The process-relevant parameters such as amplitude and time can be set easily, safely and precisely on the control panel and are displayed on the LCD multifunction display. This also gives detailed information on errors in plain text. SONIC DIGITAL MULTI PURPOSE Premium generators are also equipped with an LED output and status display.

➤ **SONIC DIGITAL Basic – the economical solution for consistent processes**

SONIC DIGITAL MULTI PURPOSE Basic generators are configured for a consistent connecting, separating or screening process at the factory and can be switched on and off at the control panel. An optional service unit with a multifunction display is also available for controlling the generator.

➤ **SONIC DIGITAL MULTI PURPOSE generators – convenient operation due to an innovative, ergonomic operating concept**

SONIC DIGITAL MULTI PURPOSE generators are equipped with a control interface as a standard feature and offer the option of separate installation of the power unit and control panel. This allows the generator to be positioned in the most suitable place, while the control panel is located in a more ergonomic position at the control console of the unit or at the operator's workplace. In cable operation, they can be positioned up to 50 meters away from each other. An RS485 interface* is also available if you wish to operate the generator from your PC.

*only for module generators

➤ **SONIC MULTI PURPOSE generators – integrated protective functions for high operational safety and long service life**

SONIC DIGITAL generators are equipped with various innovative protective functions as standard for maximum operational safety. This includes protection against overheating*, short-circuiting, no-load operation and overloading. (* Depending on the model, the housing/cooling features of the SONIC DIGITAL ULC OF generators can be complemented by the customer)

➤ **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.

Our sales team will be happy to help you and answer any questions you may have. Give us a call!

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