

Ultrasonic Welding Generator USG - SD



Generator Specification for Model USG – SD

Model	Connection Voltage	Power Consumption	Ultrasonic Frequency	Output Power	Overall Size W x H x D	Weight
USG 440 SD	230 Volt 50/60 Hz	660 VA	40 kHz	400 Watt	250 x 80 x 171	2.9kg
USG 840 SD	230 Volt 50/60 Hz	950 VA	40 kHz	800 Watt	250 x 111 x 171	5,6kg
USG 835 SD	230 Volt 50/60 Hz	950 VA	35 kHz	800 Watt	250 x 111 x 171	5,6kg
USG 1030 SD	230 Volt 50/60 Hz	1200 VA	30 kHz	1000 Watt	250 x 111 x 171	5,6kg
USG 1020 SD	230 Volt 50/60 Hz	1200 VA	20 kHz	1000 Watt	250 x 111 x 171	5,6kg
USG 1520 SD	230 Volt 50/60 Hz	1440 VA	20 kHz	1500 Watt	250 x 111 x 171	5,6kg
USG 2020 SD	230 Volt 50/60 Hz	2200 VA	20 kHz	2000 Watt	250 x 111 x 171	5,6kg
USG 3020 SD	230 Volt 50/60 Hz	3680 VA	20 kHz	3000 Watt	235 x 223 x 410	10kg

SONIC-digital -the innovation

The new series of SONIC-digital generators developed by Xfurth combine our total experience and all our technical know-how in a completely new concept.

Digital frequency generation, the possibility to separate the generator from the front panel and the completely new cooling system, they all add up to a technical breakthrough in ultrasonics. The costly protective systems of the SONIC-digital generators achieve a high degree of operational safety and at the same time safeguards the connected transducers.

XFURTH ULTRASONIC GENERATOR MODEL USG – SD

- without load possible
- Short circuit protected
- Over temperature protection
- LCD multifunction display
- Environment temperature 5° - 40°
- Standard control interface

Operating and display elements on the front panel

- LED - HF: Lights up when the generator supplies HP voltage.
- LED - <->Nominal: Displays "Out of window" when time-out circuit or power monitor is set.
- LED - Mode: Displays selected special functions, such as timer function time-out circuit or energy function.
- LED - Error: Lights up in the event of an error.
- LED - Power bar Graph (10 -100%): Displays the output power supplied in increments of 10%.
- Menu button: For setting and entering values.
- Test button: This button manually operates the ultrasonics

The LCD comprises various displays and functions

- Power display in "Watt": Indicates the power output currently being supplied.
- Working frequency display: Indicates the current working frequency of the generator.
- Amplitude setting: Sets the desired output amplitude between 50 and 100% of the nominal generator amplitude.
- Timer welding function: For welding in time.
- Energy welding function: For welding in energy.
- Frequency: Adjusts the operating frequency.
- Time monitoring function: Used for setting upper and lower limits.
- Power monitoring function: Used for setting upper and lower limits.
- Contrast setting: Adjust the contrast on the LCD.
- LED background lighting: Switches background light on and off.