

UWM300

Ultrasonic technologies are set out because of their benefits in different branch industry of series production, short-run production

or research work. It is the same for ultrasonic welding.

Specific merits of the plastic welding of , non-woven textiles, artificial leather etc. are:

- care of environment - plastic jointing without sizing materials or chemicals
- small power spending - ultrasonic machine is not heating during welding
- cleanness, work without mechanical or chemical rubbish
- high level of repeatability and the same quality of weld
- short time of his own welding process
- small severity of space and small weight of the technological machine

Ultrasonic set for manual welding (further on only "welding set") is designed for direct welding of plastic materials such as plastic foils, non woven textiles, etc. It is possible to use it for joining other materials by suitable plastic rivets.

Welding parameters could be set with buttons in front of panel:

Ultrasonic intensity "Intensity" - determines the intensity of ultrasound as a percentage

Welding time "WeldTime" - determines time of cooling weld

Hold time "HoldTime" - determines time of cooling weld

Timer activation, notice "Timer"

Buzzer activation, notice on display "Beep"

The data displayed on the display:

READY - the welder is ready for welding

Run - welding with ultrasonic power

HOLD - the weld cooling

Warn - warning, the display shows number of warning

Err - error

The second line shows operating parameters:

int1 - ultrasonic intensity in %

T1 - welding time in seconds




Th - cooling time in seconds

F1 - operating frequency in Hz

Tg - generator heat in °C



Technical parameters

welder	generator	nominal frequency ff	welding timer	regulation of ultrasonic power	handle	
UWM300.ff.0002	UZG10	30 kHz 35 kHz 40 kHz	0,5 to 4,5 sec	45 to 100 %	molded blue plastic, outlet of the transducer	
UWM300.ff.0003	UZG10	30 kHz 35 kHz 40 kHz	0,5 to 4,5 sec	45 to 100 %	cylindrical black plastic	
UWM300.ff.0004	UZG10	30 kHz 35 kHz 40 kHz	0,5 to 4,5 sec	45 to 100 %	molded blue plastic, outlet of the handle	



Generator UZG10

Supply voltage	230 V \pm 10% /50 Hz
Nominal frequency	30 kHz (35 kHz, 40 kHz)
Allowance of ultrasonic frequency	\pm 500 Hz
Cover	IP 20
Max. input	300 VA
Operating temperature	10°C to 45°C



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