

DTPS Ultrasonic Generator



DTPS Generator 20/35kHz

Specification:

Input voltage	190-265 VAC/ 50-60Hz
Dimension	H450X W240X L300 mm
Weight	27.0 kg
Color	RAL3020
Display	5.7 inch Touch type HMI screen, color monitor is for option
Microcontroller generator	16 bit
Microcontroller controller	16 bit
AD / DA converter	12 bit
Power measuring	Real time
Frequency range	19700 – 20150 Hz, 34700 – 35150 Hz
Auto tuning	Real time
Power loss measuring	Before, after, off
Nominal output	1000, 1500, 2000, 3000W at 20kHz 600, 900W at 35kHz
Maximum output	10% above nominal output
Internal amplitude	40~100% at 1% steps
External amplitude	40~100% at 1% steps
Operating mode	Time, Energy, US-Stop, Power, Travel
Time mode	0.005 – 9.999s
Energy mode	0 – 99999.99Ws
Travel mode	0 – 500.00mm / Tolerant +/-0.01mm
Power mode	0 – 100%
US-Stop mode	Integrated
Trigger mode	Timer mode: 0.000-9.999s; Pressure mode: 0 – 6.5 bar
Proportional valve control	0 – 10V at 1V steps, optional part for LEB press
Controller for welding press	Dual palm buttons & Pneumatic press
Integrated power supply	24VDC / 400mA stabilized and short circuit protected
Signal input	Opto coupler 20 – 28 V DC/ max. 7mA
Signal output	Opto coupler 22 – 26V DC/ 250mA short circuit protected
Emergency stop	Message in Display
Error message	Display/ Hardware output
Interface for PLC	Digital input and output
Interface for PC	USB port
Data output	USB output with Excel communication
Graph analysis	Real time
Welding history	Last 100 welding results
Data bank	90 memories
Software update	USB port
Service program	Hardware test for all input & output
Language	English, Chinese, Japanese, Korean etc.
Ambient temperature	-5°C~45°C/ stock -20°C~60°C
Design	Switzerland