

Viper XL Ultrasonic Generator

Technical Data

Input voltage	190-265VAC, 1 Phase, 50-60Hz
Size	H280 x W125 x L420 mm
Weight	20kHz 1000 & 1500W: 7.5 kg 20kHz 2000 & 3000W: 8.0 kg 35kHz 600 & 900W: 7.5 kg
Color	RAL3020
Display	4 x 20 Characters with backlight
LED Bar	20 LED with Peak Memory for Output power
Keyboard	24 Keys plus on/off
Microcontroller Generator	16 bit / 20MHz
Microcontroller Controller	16 bit / 20MHz
AD / DA Converter	12 bit
Frequency range	20kHz: 19700 – 20150 Hz 35kHz: 34700 – 35150 Hz
Power Measuring	Real time
Auto Tuning	Real time
Nominal Output Power	20kHz: 1000/1500/2000/3000w 35kHz: 600/900w
Maximum Output Power	10% above nominal power
Amplitude Internal	60 – 100% at 5% steps
Amplitude External	60 – 100% at 5% steps
Operating Mode	Time, Energy, US-Stop, Power, Travel Mode
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	Integrated
Part and Reject Counter	0 – 999999999
Trigger Mode	Timer Trigger: 0.000 - 9.999 s Pressure Trigger: 0 – 6.5 bar
Power Output Analog	0 – 5 V
Speed reduction over Travel	0 – 500.00mm
Controller for Welding Press	Dual Palm Button & Pneumatic Press
Integrated Power Supply	24V DC / 400 mA stabilized & short circuit protected



Viper XL Generator 20/35kHz

Input	Opto coupler 20 - 28 V DC / max. 7 mA
Output	Opto coupler 22 - 26 V DC / 250mA
Emergency Stop	Message in Display
Error Message	Display/ Hardware output
PLC Interface	Various digital input and output
Data Bank	99 memories
Software Update	BDE Interface
Buzzer	Confirmation Of Keyboard & Error Message
Service Program	Hardware test for all input & output
Connectors	All Standard D-sub
Pin Code	4 digit to protect access to parameters
Main Power Switch	On the back panel
Language	E,D,SP,F,I,P,S,DK,N,SF,NL, CZ,PL,RO,SLO,H,TR
Temperature	-5°C ~ 45°C / Stock -20°C ~ 60°C
Design and Production	Switzerland