

Cobra 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
LED	4 LED for Status
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
Internal Amplitude	60 – 100% at 5% steps
Operating Mode	Time mode, US-Stop mode, Power mode
Time Mode	0.005 – 9.999s
Power Mode	0 – 100%

Cobra XL Generator 20/35kHz

Parts and Reject Counter	0-999999999
US-Stop Mode	Integrated
Trigger Mode	Timer trigger: 0.000-9.999s
Controller for Welding Press	Dual Palm Button & Pneumatic Press
Integrated Power Supply	24V DC / 400 mA stabilized & short circuit protected
Inputs	Opto coupler 20 - 28 V DC / max. 7 mA
Outputs	Opto coupler 22 - 26 V DC / 250 mA short circuit protected
Emergency Stop Error Message	Message in Display Display / Hardware Output
Data Bank	99 Memories
Interface for PLC Software Update	Various digital input and output BDE Interface
Buzzer	Confirmation Of Keyboard & Error Message
Connectors	All Standard D-sub
Pin Code	4 digit to protect access to parameters
Main Power Switch	On the back panel
Service Program	Hardware Test for all Input and Output
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 & Production	Switzerland