



# POULTRY BELTS

BANDAS AVÍCOLAS

## TECHNICAL DATASHEET DIGITAL ULTRASONIC WELDER FOR POULTRY BELTS

B110 MODEL



### BEFORE PERFORMING ANY WELDING OPERATION:

1. Screw the horn firmly onto the tapered end of the welding gun.
2. Make sure the power button on the ultrasonic generator control panel is in the ZERO (OFF) position.
3. Plug the power supply cord into a 110-120V/60Hz grounded outlet through a 6A protective circuit breaker or a voltage current stabilizer.

Having considered the three steps above, you can start welding.

### WELD THE TARGET MATERIAL BY PRESSING THE BUTTON ON THE GUN HANDLE:

1. Plug the welding gun 7-pin male connector into the rear panel of the ultrasonic generator.
2. Turn on the unit by pressing the power button on the front panel.
3. Operation Modes:
  - **Timer mode (1).** By pressing the trigger on the pistol grip, we will listen to timed ultrasounds, which will also show up numerically on the control panel.
  - **Continuous mode (2).** By pressing the trigger on the pistol grip, the ultrasound will stop until the trigger is released.

- Press the PLUS (+) and MINUS (-) buttons to set the welding time, which is displayed by blue luminous LEDs on-screen.



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European Quality



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B A N D A S A V Í C O L A S

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### HELPFUL TIPS:

If the generator DOES NOT emit any ultrasonic waves:

1. Detach the horn from the transducer and verify that the surface of the working table is flat, free of any foreign matter.
2. Before assembling the sonotrode, make sure it is off. Simultaneously, the transducer must be vibration-free and with an ideal frequency.
3. Gently but firmly insert the sonotrode into the transducer and repeat the previous welding cycle.
4. If at this point a slight sound is heard, check that the welding horn is properly attached to the transducer and/or that the high-strength 8 MA screw is securely fastened to the horn.
5. Do not take the handle apart into its components, as it is made up of electrical parts. Unplug the unit before performing any operation on the generator.

### INSTRUCTIONS:

If unit DOES NOT operate properly:

1. Make sure all the cables in your welding equipment are plugged in and working properly.
2. Set the desired ultrasound mode and make sure the working frequency appears on the display window. This means that the generator will function properly; that is, the fault is located in the vibrating group – composed of the welding horn and the transducer – If the frequency signal does not appear on the display window, please contact your service provider.

### TECHNICAL DATA:

- Ultrasound Generator Unit.
- Power Supply 110V – 220V / 60Hz.
- Frequency 40KHz.
- Electrical load 250 Watts.
- Oscillator with a Power Transistor.
- Electronic Timer.
- Welding Gun Handle.
- Mains Filter.
- Connection Cable 5 m.
- Three-function Diverter (timer-off-continuous).
- Digital Microammeter.
- Dimensions and total approximate weight, with carrying case and entire welding equipment: 15.75 x 13 x 530 in - 26.40 lb.

