



**CD WELDERS: CD-3101**



**DESCRIPTION/FEATURES**

- The CD3101 is a cost-effective standard capacitor discharge stud welding unit. It is suitable for tip ignition with contact and gap. The CD3101 is compact with a strong metal housing. It will weld mild steel, stainless, aluminum and brass CD studs.
- The CD3101's many features include: operation at high voltage fluctuations (-25% up to 20%); integrated mains filter; high-tech microcontroller to guarantee precise process control, safest operating conditions and highest operating comfort; stepless voltage regulation (charging and discharge); automatic discharge of capacitors by reducing the loading voltage; easy and reproducible setting of the loading voltage/welding energy by digital display; library function of automatic adjustment of the loading voltage by selecting the stud diameter (fine adjustment by pushing arrow key); error code indication by digital display; easy control of all functions by LED indications; easy change of polarity of welding voltage by interchanging welding current cable and ground cable (if required); electronically protected magnetic circuit when using gap gun CA-08; temperature controlled cooling fan reduces contamination inside the power unit (high reliability) and reduces noise; temperature control of transformer and interior of power unit of automatic shut off at overheat; highest safety standard by automatic control of SCR and contact to work piece; recorded high voltage test; EMC-tested.

**SPECIFICATIONS**

<b>Dimensions:</b> 20.6L x 7.1W x 9.8H	<b>Welding Time:</b> 1 to 3 msec.
<b>Weight:</b> 48 lb.	<b>Stud Range:</b> (#4 to 3/8)
<b>Capacitance Charge:</b> 132,000 mfd	<b>Weld Rate:</b> 8 to 20 Studs per minute
<b>Charging Voltage:</b> 50-220 V (stepless)	<b>Input Power:</b> 230/115 V, 50/60 Hz, 10 AT

**PARTS LIST**

DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
System Complete	All	Gun Only (C08)	92-20-256
Power Unit Only	92-12-0311	Ground Cable	92-40-095

[www.sunbeltstudwelding.com](http://www.sunbeltstudwelding.com)

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