

# STUD WELDING PRODUCTS, INC

Your Number One Stud



Maximum Weld Rates  
Maximum Efficiency  
Minimum Energy  
Minimum Weight

## STUD WELDING UNIT Model: CDi 3102



### DESCRIPTION

Stud Welding Unit (with digital display) for CD stud welding (capacitor discharge welding) according to current standards

#### Operational & Safety Features

- Integrated mains filter (protection against voltage peaks)
- Optimal for construction sites with large mains voltage fluctuations – use even with critical voltage supply (- 25% + 20%)
- EMC test (Din EN 60974-10)
- High-voltage test with log (Din EN 60974-1)
- Logged capacitor forming for quality control of the stud welding capacitors
- Self-forming capacitors provide a longer life period and higher reliability
- Retriggering lock-out – prevents welding on a welding element that has already been set
- Thermal monitoring of transformer – automatic shutdown in case of overheating
- Temperature controlled cooling fan – reduces noise and dust in the stud welding unit (greater system reliability)
- Optimal protection against external interferences

FEATURES	CDi 3102
<b>WELD RANGE</b>	#4 - 3/8"
<b>WELD RATE</b>	6-20 studs pins per minute Depending on application
<b>DIMENSIONS</b>	18"L x 8"W x 10"H
<b>WEIGHT</b>	39.68 LBS
<b>PRIMARY POWER</b>	115 v/230 v, 50/60Hz 10AT

### FEATURES

- Especially suitable for thin sheets (at least 0.5 mm).
- Microcontroller – for precise process times, optimal functional reliability and maximum operating convenience.
- Function monitoring – automatic function test following power-up; monitoring of all internal system functions.
- Display of error codes – on digital display.
- Library function – automatic specification of charging voltage through selection of stud diameter according to welding range; fine adjustment via arrow keys.
- Structure: extremely easy to operate, compact, robust – powder coated steel housing withstands rough treatment in shop and on site.
- Display – infinitely adjustable power setting (charge reversal via set-point switch); easy monitoring of all functions via LED displays.
- Powerful – built-in power reserves.
- Use of special capacitors (developed for stud welding).
- Suitable welding guns: C 08 and CA 08

Visit our website at [www.StudWeldProd.com](http://www.StudWeldProd.com) or email [Info@StudWeldProd.com](mailto:Info@StudWeldProd.com)

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