

# STUD WELDING PRODUCTS, INC.



## STUD WELDING UNIT

Model: CDi 1502

### Inverter-Capacitor Charging Technology

- Maximum welding rates
- Minimum weight
- Minimum energy consumption
- Maximum efficiency

### DESCRIPTION

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

### CONVENIENT OPERATIONAL AND 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 1502
<b>SIZE</b>	15.75" length, 8.07" width, 9.84" Height without handle
<b>WEIGHT</b>	30.87 lbs.
<b>WELD RANGE</b>	Stud: #4(M3) to 5/16(M8) NFL Cupped Heads Insulation Pins
<b>WELDING RATE</b>	12 to 40 studs/min (depending on application and stud dia.)
<b>PRIMARY POWER</b>	115 V, 50/60 Hz, 10 AT
<b>CHARGE VOLTAGE</b>	50 to 220 V (stepless voltage regulation)

IPC Code: IP 23 (92-12-1502)/ IP 21 (92-12-1504)

### FEATURES

- Especially suitable for thin sheets (at least 0.5 mm).
- ISO – especially suitable for fixing heating, ventilation and air-conditioning mats (HVAC).
- 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, CA 08 and CI 03

Check us out on the internet [www.studweldprod.com](http://www.studweldprod.com) or email [info@studweldprod.com](mailto:info@studweldprod.com)

#### Downey, CA

9459 Washburn Rd.  
Downey, CA 90242  
Phone- 800.252.1919  
Fax- 562.862.3022

#### Hayward, CA

2391 American Ave.  
Hayward, CA 94545  
Phone- 510.782.7883  
Fax- 510.782.7918

#### Renton, WA

927 Thomas Ave. SW  
Renton, WA 98057  
Phone- 425.656.9787  
Fax- 425.656.9786

#### Phoenix, AZ

3535 East Wier Ave., Ste. #4  
Phoenix, AZ 85040  
Phone- 602.305.9350  
Fax- 602.305.4890