

# Stud Welding Equipment - Automatic Components

## CDI 1502 AT



### Stud Welding Unit (with digital display)

For capacitor discharge stud welding according to current standards.

- Entry level automation for semi-automatic use.
- Simple library function for ease of use.

### Unbeatable new power pack

- With efficient inverter-capacitor charging technology.
- Enormous time and energy savings (30 % less energy!)
- Highest cycle sequence of its class (up to 40 studs/min.)
- 20 % energy reserve due to 220 V charging voltage.
- Simple operation & minimal weight (20% lighter than previous model).
- Extreme long life due to robust and functional industrial design.

### Highest level of quality and safety

- Capacitor formation recorded - Quality control for consistent capacitor quality through automated formation.
- Shock-proof capacitor battery - No contact of the capacitors to the device housing; sparkover (short circuit) is therefore not possible!
- Cooling channel - Protects the electronic components from getting soiled. Ideal cooling of the inverter charging p.c. board for high sequence cycles.

Technical Data	
Welding material	Mild steel, stainless steel, aluminum and brass
Equipment	Automation
Display	Digital
Welding range	Studs: M3 to M8, dia. 2 to 8 mm / #4 to 5/16", dia. 14 ga to 5/16" Cupped head pins: dia. 2 and 2.7 mm / 14 ga and 12 ga Insulation pins: dia. 2 and 3 mm / 14 ga and #4
Welding rate	M3 / #4 = 40 studs/min. (voltage 60V) M8 / 5/16" = 14 studs/min. (voltage 200V)
Capacitance	66,000 µF
Welding time	1 to 3 msec
Energy	1,600 Ws
Charging voltage	50 to 220 V (stepless voltage regulation)
Primary power	230 V/115 V*, 50/60 Hz, 10 AT (slow blow) (*alternative primary power see order number below)
Connected load	600 VA
Power source	Capacitor
Cooling type	F (temperature controlled cooling fan)
IP-code	IP 21
Dimension L x W x H	15.75" x 8.07" x 9.84" (400 x 205 x 250 mm) without handle
Weight	30.87 lbs (14 kg)
Suitable guns	PAH-I
Order No	92-10-1504B (230 V) 92-12-1504B (115 V) 92-13-1504B (100 V)



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