

- Highest operational safety and best operation convenience
- Automatic present of charging voltage by selection of the stud diameter (fine adjusting through arrow keys)
- Digital display
- For thin sheet metal down to 0.6mm
- Welding range Ø2 to Ø8 mm (M10)

Model: CD 1501



Model: CD 2301



Model: CD 3101



Technical Data

Power Units

Type	CD 1501	CD 2301	CD 3101
Dimension L x W x H:	420 x 180 x 250mm (without handle)	510 x 180 x 250mm (without handle)	510 x 180 x 250mm (without handle)
Weight:	17 kg	21 kg	22 kg
Part Number	92-10-0151	92-10-0231	92-10-0311
Welding range:	M3 ~ M8 Ø2 to Ø8mm	M3 ~ M8 (M10) Ø2 to Ø10mm	M4 ~ M10 Ø4 to Ø10mm
Welding material:	Mild steel, Stainless Steel, aluminium and brass		
Welding rate:	8 to 20 studs/min. (depending on application and stud dia.)		
Capacitance:	66.000µF	99.000µF	132.000µF
Welding time:	1 to 3 msec.		
Energy:	1.600 Ws	2.400 Ws	3.200 Ws
Charging voltage:	50 to 220 V (stepless voltage regulation up and down)		
Power source	Capacitor		
Primary power:	230/115 V, 50/60 Hz, 10AT		
Insulation class	IP 23		

Features

- CD 1501/2301/3101:

Highest safety level. High reliability. Metal housing tolerating rough treatment in work shops and on job sites. For use with critical supply voltage (-25% + 20%). Veru easy operation. Continuous energy adjustment (charging via rated value switch). Thermal control with automatic switch-off when overheated. Easy control of all funstions by LED displays. Best price-performance ratio.

High perfomance, simplest operation, compact, sturdy, ideal for use in work shops and on job sites with high supply voltage fluctuations

Welding Guns

Model: CA 08



Model: C 08



Type	CA 08	C 08
Part Number	92-20-255	92-20-256
Stud dia.:	2 to 8 (10) mm	
Stud Length:	6 to 40 mm (standard) with adapter up to 55	
Weight:	0.7 kg (without cable)	
Stud type:	Any type or shape (special chucks if required)	
Stud material:	Mild steel, stainless steel aluminium and brass	Mild steel, stainless steel
Length of cable:	3 m	6.5 m

Accessories

	Ground cable	Accessories
		Chucks 3 to 8 mm
Part Number	92-40-095	92-40-018

Features

- **Welding Guns:** Compact, handy, light-weight. Stable gun casing made of shock-proof plastics. Quick-exchangeable chuck. Stud length free selectable. Precision guide linear ball bearing for guidance of the welding piston. Weight reduction of the welding piston by 50% for backlash-free. Notched spring adjustment. Extensive accessories.

CA 08: Electronically controlled stud welding gun for all known stud welding processes

(especially well suitable for aluminium welding). Integrated lift and spring force adjustment. Lockable lift adjustment.

C 08: Welding gun for contact welding, expecially suitable for welding of studs and pins made of steel and stainless steel on workpieces steel on workpieces with critical surfaces like. E.g. zinc,rolling skin and scale.