

# CAPACITOR DISCHARGE STUD WELDER



**CCD-10** power units provide outstanding reductions in costs and time.

Joining of stud-type welding elements with a diameter M3 to M10 (dia. 2 to 10 mm) onto thin sheets, min. 0.5 mm. Mild steel, stainless, steel, aluminium and brass.



## New Design Potential

- Short charging cycles to increase productivity
- Especially suitable for thin metal sheets
- Precise digital display of charging voltage
- Joining of different materials is possible
- Fast and easy handling, leads to high productivity
- Weld strength consistently exceeds that of the stud or parent metal
- Easily adjust the capacitor voltage level
- Well established circuit protection to ensure safety of worker and equipment
- Stud guns are ergonomically designed for better hand fit and comfort
- Extremely short weld time (0.001 - 0.003 sec) permitting welding on thin metal sections without any leakages

## Technical Data

Specifications	Unit	CCD-10
Welding range	mmφ	2 to 10
Welding process	type	Capacitor discharge
Charging voltage	(VDC)	50-200 up/down
Current	(A)	3000-9000
Primary power	(V)	115/230 V, 50/60 Hz
Welding time	secs	0.001 - 0.003
Charging capacity	μF	110,000
Weld rate	studs/min	8-20
Charge time	secs	< 3
Welding material	-	Mild steel, stainless steel, aluminium, brass
Degree of protection	class	IP23
Insulation	class	H
Cooling	type	Air cooled
Welding cable	m	3 highly flexible
Earth cable	m	2x3 highly flexible
Dimensions(L*W*H)	mm	245x260x370
Weight (approx.)	kg	16

