



NCD+ 1000 and NCD+ 1600

Efficient Switched-Mode Power Supply Topology and Digital Precision Technology

A new-generation stud welding unit for arc welding with and without tip ignition. Ideal for welding steel studs (M3-M8, max. weld diameter 10.5 mm), brass (M3-M8) and aluminum (M3-M6). Built on the basis of a 30 KHz switched-mode power supply and equipped with a high-capacity RISC processor, this device offers the same power as conventional welders at only half the weight and with reduced idle power consumption. This is the ideal tool for welding tip ignition studs up to M8 using a contact or gap welding gun.

Other features

- **Ultra Portable.** Thanks to its light weight and compact dimensions.
- **Power saving.** 40% lower power consumption compared with conventional welding units.
- **Color-LCD.** Straightforward graphical interface for operation and maintenance.
- **Stud holder protection.** A three-point mount prevents unintentional damage.
- **Stud Expert™.** Preset weld parameters with a database based on material and thread size.
- **Adjustable columns.** Straightforward adaptation to different stud lengths.
- **Integrated process control.** Display of weld current, weld time, arc voltage and weld power.

Applications

- For thin sheet metal with minimal thermal impact, without deformation or imprint on the rear.
- For materials with high thermal conductivity such as copper and aluminum alloys.

Technical Data **NCD+ 1000** and **NCD+ 1600**

NCD+

Welding method:	Tip ignition Contact and gap welding	Mains connection:	230 V, 5A, 50/60 Hz
Charging power:	1080 Ws NCD+ 1000 1620 Ws NCD+ 1600	Welding guns:	NCD+ contact welding gun NCD+ gap welding gun
Charging voltage:	70-200V (infinitely adjustable)	System of protection:	IP 23
Charge capacity:	54000µF NCD+ 1000 81000µF NCD+ 1600	Welding time:	1-3 ms
Housing dimensions:	320 x 310 x 220 mm	Power source:	Capacitor battery
Welding rate per min.:	18 at 100V, 8 at 200V NCD+ 1000 14 at 100V, 6 at 200V NCD+ 1600	Power consumption idle:	20W or less
Weight:	7,7kg NCD+ 1000 8,6kg NCD+ 1600	Efficiency:	80%
		Display:	Full color with LED

Max Welding Ø

NCD+ 1000	NCD+ 1600
Alu / M6	Alu / M6
Steel / M6	Steel / M8
1.4301 / M6	1.4301 / M8

Germany

(European Headquarters)



Nelson

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