

**N1200i-SC**

Nelweld[®] N1200i-SC[™] **Third Generation Inverter Technology from the Inventor of Stud Welding Technology**

The new **Nelweld[®] N1200i-SC[™]** ingeniously combines a low weight and compact construction with a high weld current output power, offering stepless adjustment from 100–1200A. This makes it possible to safely weld studs with a weld diameter from 3 mm–9 mm and T-pins from 3 mm–5 mm using the short-cycle drawn arc welding procedure.

Thanks to the integrated shielding gas module, this additional option is already available as a standard feature of the device. **Nelweld[®] N1200i-SC[™]** has been specially designed for short-cycle drawn arc welding and is ideal for rework in the automobile industry.

Other features of the Nelweld[®] N1200i-SC[™]

- **Internal welding process control**

Integrated welding process control and detection of suspicious welds

- **Welding circuit monitoring**

Integrated welding circuit monitoring for identification of bad or loose welding cable connections and welding plugs

- **Cleaning pulses**

Cleaning of soiled workpiece surfaces

- **External welding process control**

Optional: logging and evaluation of the welding results via Ethernet interface to PC

Technical Data Nelweld[®] N1200i[™]

N1200i-SC

Power supply:	Inverter	Power plug / power cord:	32A CEE / 3m
Welding current:	100A - 1200A (stepless adjustable)	Protection class:	IP23 S
Welding time:	5ms - 50ms (stepless adjustable)	Protection rating:	I (one)
Full-size diameter of welding:	Short cycle Ø 3mm – Ø 7mm Shield gas Ø 3mm – Ø 9mm	Excess temperature protection:	included
Welding rate:	Short cycle Ø 9mm : 12 per min.	Cooling:	AF (thermostatically controlled fan)
Shield gas:	integrated	S mark:	complies with regulations
Duty cycle:	3%	Measurements:	(w x h x t) 249 x 334 x 535mm
Controller:	2 x 32-bit processor with DSP / RISC / CISC	Weight:	20.4 kg (with power cord) 18.2 kg (without cord)
Display / operator panel:	2 rows, each with 6-digit dot-matrix / membrane keyboard	Options:	Nelware [™] Software (external weld monitor and production log) Ethernet 10/100-Base-T interface
Input voltage:	400V, 50/60Hz, 3 phase		
Mains fuse:	32A (slow-blow)		



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