



N4s INVERTER

N4s INVERTER – The continuation of the Nelson success

The new stud welding unit – universal and flexible

- For all known studs of the short cycle drawn-arc stud welding method
- Safety circuits according to performance level „d“ (Consistently performed with 2-channel control function)
- Customer-specific interfaces to robots/transfer lines (parallel interface, InterBusS, DeviceNet, EtherNet/IP, ProfiBus, ProfiNet, etc.)
- All Nelson FSE feeders and the related welding tools can be combined and used (standard polarity or reverse polarity for up to 5 feeders and/or welding tools)
- Only one power source for stud welding, TARC welding and TARC nut welding
- Multiple possibilities of networking and PC-supported quality monitoring

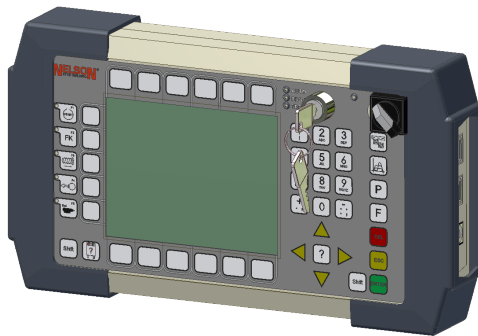
Innovations with respect to the previous model

- **Power-Safe-Mode** - (energy saving mode) for low power loss in idle mode
- **10% more output power** from optimized internal circuitry (any losses caused by longer cables are compensated for)
- **Fast Ethernet** - ten times faster transfer (100Mbits/sec.)
- **Weld Impedance Control** - Warning when the maximum welding circuit impedance (resistance) is exceeded
- **Professional control panel** - (VGA colour display on Windows CE basis)
- **Individual allocation of access privileges** via standard memory stick
- **Double storage capacity for program extensions**
- **International standardized enclosure** in a service-friendly design

Technical Data N4s

N4s INVERTER

Power supply:	Inverter	Cooling:	AF (fan, temperature-controlled)
Welding current:	250A - 1500A (bzw. 1800A)	Connection possibilities	
Welding process:	Short cycle drawn-arc stud welding method, TARC welding, TARC nut welding	Manual handguns:	P-NS 40 SL
Mains fuse:	32 (63 A)	Automatic welding guns:	PSE 1000s
Power plug CEE:	32 (63 A)	Welding heads:	KSE 1000s
Degree of protection:	IP 21	Feeders:	FSE 1000s
Protection class:	I (one)	Enclosure dimensions:	(W x H x D) (without interfering edges) 610 x 981 x 684mm
S-mark:	Yes	Weight:	120kg
		Crane eyelets:	Yes
		Wheels:	Yes (4)



Removable graphics control panel by means of which it is possible to program the N4s and to visualise the process data.

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