



INVERTER 1805i

- Weldable stud range 2–19 mm
- Max. current 1600 A
- Max. time setting 1000 ms
- Low weight
- Welding energy accurately adjustable

Technical data

Stud welding with ceramic ferrule, weldable stud range Ø (mm)	2–19
Short cycle stud welding, weldable stud range Ø (mm)	2–10
Stud welding with shielding gas, weldable stud range Ø (mm)	2–12
Max. current (A)	1600
Current setting range (A)	200–1600
Time setting range (ms)	1–1000
Storage of parameters for current, time and Gas pre-flow time	20
Max. stud/min. at ... Ø (mm)	2 / 19 6 / 16
Mains connection 50/60 Hz, 3-phase (V)	400
Mains plug at 400 V (A)	63
4-wire mains cable at 400 V (m/mm ²)	5/10
Mains plug at 230/400 V (A)	min. 50
Mains power consumption at ...% ED (kVA)	3/90, 6/65
Tolerance range mains voltage (%)	- 15/+ 6
Class of protection	IP 23
Cooling	F
Housing dimensions (L x B x H) mm	600 x 270 x 410
Swivel castors/ fixed castors	2/2
Handle	2
Weight (kg)	approx. 36
Gas pre-flow time (ms)	10–2000

- Particularly suitable for short-cycle-stud welding
- Particularly suitable for thin work-pieces
- Stepless, exact adjustment of welding current and time
- Ideal for mobile tasks
- Designed for welding on building sites
- Plain text on LC-display
- Operating interface: choice between 4 languages:
German, English, French, Italian
- Shielding gas equipment: standard
- Self-diagnosis: overheating, short circuit control,
failure and malfunction of pilot arc
- Microprocessor controlled
- Constant current regulation
- Repeat cycle lock
- Steel housing, powder-coated
- Interface for automatic components: optional
- Stud counter

