

HARMS & WENDE WELDING INVERTER

iSpotHFG



PERFORMANCE

The devices of the series iSpot are designed for manual and semiautomated workstations for resistance welding as well as soldering of micro components. A highly accurate digital regulation of current, voltage, power and temperature assures a reproducible and safe process.

The display is built into the device, but can also be ordered in a separate housing with plug-in cables.

CHARACTERISTICS

- High regulation speed (10 / 15 kHz)
- Current, voltage and power regulation
- Capacitor discharge mode (power regulation)
- Soldering mode (temperature regulation)
- Different operating levels
- Compact design (table top)
- 4.3" colored graphic touch screen
- Analysis of current, voltage, power, resistance and temperature
- PC interface for operation and data backup
- Different user levels, password protected
... and much more

APPLICATION

- Spot welding
- Projection welding
- Cross wire welding
- Seam welding
- Gap welding
- Resistance soldering
- Bar soldering

BENEFITS

- Quick start of production
- Effective production processes
- Time savings through direct editing of the parameters
- Efficient data management and data storage
- Flexible production planning

TECHNICAL DATA

Features	05L	10L	40L	80W
Current range	0,005 – 0,5 kA	0,01 – 1 kA	0,05 – 4 kA	0,1 – 8 kA
Mains supply/frequency	3 x 400 V, 50/60 Hz			
Mains power	1,1 kVA	2,2 kVA	2,2 kVA	16 kVA
Mains fuse (slow)	3 x 16 A	3 x 16 A	3 x 16 A	3 x 25 A
Mains cable	H07RN-F4G2,5	H07RN-F4G2,5	H07RN-F4G2,5	H07RN-F4G4,0
Open circuit voltage	8,0 V	8,0 V	8,0 V	10,0 V
Max sec current	500 A	1000 A	4000 A	8000 A
Inverter cycle time	15 kHz	10 kHz	10 kHz	10 kHz
Max spot repetition rate / min	60 Spot/min.	60 Spot/min.	120 Spot/min.	120 Spot/min.
Max sec. Output current @ 20%DC*	500 A	550 A	650 A	3.600 A
Output power	3,3 kVA @20% ED, 1,5 kVA @50%ED	3,8 kVA @20% ED, 2,1 kVA @50%ED	4,4 kVA @20% ED, 2,4 kVA @50% ED	28 kVA @20% ED, 19 kVA @50% ED
Cooling	Luft	Luft	Luft	Wasser
User interface	colored touch screen / PC-Interface			
Dimensions	470 x 220 x 270 mm (L/W/H)			
Weight	14 kg			16,5 kg



iSpotHFG: The compact tabletop device with integrated transformer with optional temperature regulation for soldering.