



iSpot HFG

The universal welding system for resistance welding and soldering



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

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

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	

