



Compact Stud Welding Equipment 905i Inverter Technology

The KÖCO compact stud welding equipment 905i combines excellent welding characteristics with low weight, minimum size and outstanding performance. Therefore it is the ideal equipment for mobile tasks or stud welding on thin work-pieces.

The appliance is suitable for welding threaded studs, pins, tapped studs, insulation pins, refractory anchors and shear connectors with high weld density on sheet metal, pipes and profiles, using the following process variants:

- Drawn-arc stud welding with ceramic ferrules
- Drawn-arc stud welding with shielding gas
- Short-cycle drawn-arc stud welding

Welding current setting is infinitely variable, and the selected setting is maintained with high accuracy throughout the welding process.

Welding time can be set in steps of 1 ms, thus enabling adjustment of the welding energy with an extremely high degree of accuracy. Fusion penetration is kept extremely low in spite of the high current (short-cycle stud welding). The illustrations on the back page give an impression of the appliance's outstanding efficiency.

All parameters can be set by turning a sturdy rotary knob with a built-in push-button and can be followed on an illuminated LC display. Up to 20 sets of parameters can be stored (welding current, welding time and shielding gas pre-flow time), which facilitates correct parameter setting in case of recurrent welding tasks.

Deviations from the normal mode are shown on the appliance by a red pilot lamp, and simultaneously on the display in plain text (self-diagnosis).



Compact equipment 905i INVERTER

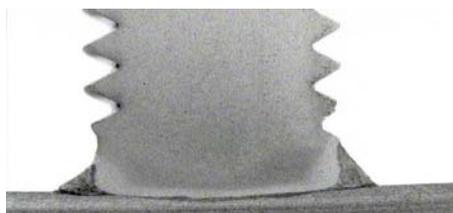
Stud Welding with Inverter Technology

Stud welding equipment 905i	
Stud welding with ceramic ferrule, weldable stud range Ø (mm)	2 - 12
Short cycle stud welding weldable, stud range Ø (mm)	2 - 8
Stud welding with shielding gas, weldable stud range Ø (mm)	2 - 10
Stepless current adjustment range (A)	100 - 800
Stepless time adjustment range (ms)	1 - 800
Max. weld rate in studs/min. for ... stud Ø (mm)	4/12 9/10
Self diagnosis: Excessive temperature	●
Short circuit control cable	●
Mains phase breakdown	●
Microprocessor controls	●
Constant current control	●
Repeat cycle lock	●
Mains connection 50/60 Hz, three-phase (V)	400
Mains plug (A)	32
Mains cable four wires (m/mm ²)	5/4
Mains fusing, time-lag (A)	20
Mains voltage tolerance range (%)	-15 / +6
Class of protection	IP 23
Cooling	F
Metal housing, powder coated	●
Housing dimensions (L x W x H)	410 x 220 x 250
Handle	1
Weight (app. kg)	17
Shielding gas kit	●
Gas pre-flow time (ms)	1 - 2000
Stud welding guns: SK 14	●
K 22	○

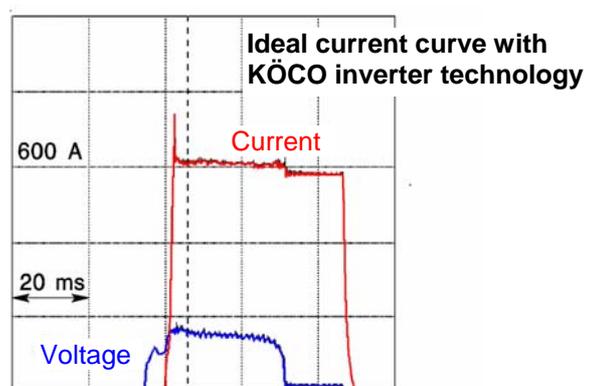
● = Standard ○ = Option

Version 9/2005 Subject to technical modifications without notice

S Operating under increased electrical hazard permissible. CE-labelling acc. to EN 60974-1



Short-cycle stud welding with KOCO inverter technology



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