



KÖCO-Compact Stud Welding Equipment

ELOTOP

All models of the ELOTOP compact stud welding equipment series are laid out for top performance as well as highly cost-effective drawn-arc stud welding. Through their special features they are designed for rough wear on building sites and continuous operation.

High performance, current regulation and microprocessor control ensure optimum welding results even during mains fluctuation, variation in temperature and long cables.

Digital setting of all parameters guarantees precisely repeatable weldings.

20 storage spaces allow to file individual settings.

The intelligent self-diagnosis system increases productivity through minimizing machine downtime.



ELOTOP COMPACT STUD WELDING EQUIPMENT

SERIES ELO TOP

Technical data	502	810	1010	1710	2010	3010
Stud welding with ceramic ferrule Weldable stud range \varnothing (mm)	3 - 8	3 - 12	3 - 14	3 - 20	3 - 22	6 - 25
Short cycle stud welding Weldable stud range \varnothing (mm)	3 - 6	3 - 8	3 - 10	3 - 12	3 - 12	6 - 12
Stud welding with shielding gas Weldable stud range \varnothing (mm)	3 - 8	3 - 10	3 - 12	3 - 16	3 - 16	3 - 16
Max. current (A)	450	800	1100	1800	2300	3500
Current setting range (A)		50 - 750	150 - 1000	150 - 1600	300 - 2000	300 - 2600
Time setting range (ms)	20 - 450	20 - 600	20 - 1000	20 - 1500	20 - 1500	20 - 2000
Gas pre-flow time (ms)	1000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000
Storage of parameters	-	20	20	20	20	20
Max. stud/min. at ... \varnothing (mm)	15/3 4/8	32/3 3/12	49/3 4/14	50/3 2/20	52/3 4/22	50/6 6/25
Self-diagnosis:						
overheating	●	●	●	●	●	●
short circuit control	-	●	●	●	●	●
mains phase failure	●	●	●	●	●	●
malfunction of pilot arc	-	●	●	●	●	●
Menu: selection of various languages	-	●	●	●	●	●
Fully controlled thyristor bridge	-	●	●	●	●	●
Microprocessor control	●	●	●	●	●	●
Constant current regulation	-	●	●	●	●	●
Repeat cycle lock	●	●	●	●	●	●
Mains connection 50/60 Hz 3-phase (V)	400	230/400	230/400	230/400	230/400	230/400
Mains connection special voltages (V)	○	○	○	○	○	○
Mains plug at 400 V (A)	16	32	32	63	63/125	125
4-wire mains cable at 400 V (m/mm ²)	5/2.5	5/4	5/4	5/10	5/16	5/16
Mains fusing time-lag at 230/400 V (A)	16	25	35	63	63/80	125
Mains power consumption at ...% ED (kVA)	1 29	1.4/3.2/100 55/38/7	2.5/7/100 73/43/12	2.25/9/100 121/59/17	2.5/7/100 156/93/25	8/13/100 187/145/52
Tolerance range mains voltage (%)	-15/+6	-15/+6	-15/+6	-15/+6	-15/+6	-15/+6
Dust and moisture protection of control unit	●	●	●	●	●	●
Class of protection	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
Cooling	F	F	F	F	F	F
Steel housing, powder-coated	●	●	●	●	●	●
Housing dimensions (L x W x H) mm with castors and handle	375x220x360	555x308x535	555x308x535	700x415x660	805x430x730	950x605x860
Swivel castors/fixed castors	-	2/2	2/2	2/2	2/2	2/2
Handle	1	2	2	1	1	1
Lifting eye	-	2	2	2	2	2
Weight (abt. kg)	25	65	85	160	190	350
Shielding gas equipment	●	●	●	○	○	○
Stud counter resettable	-	●	●	●	●	●
Stud counter totally	-	●	●	●	●	●
Interface for automatic components	-	○	○	○	○	○
Stud welding guns:						
SK 14	●	●	○	○	○	○
K 22	○	○	●	○	○	○
K 22-D	-	-	○	●	○	○
K 24	-	-	-	-	●	○
K 26	-	-	-	-	-	●

● = standard, ○ = optional, - = not available

[S] Welding under increased electrically hazardous conditions permissible, CE-Labeling according to EN 60974-1 etc.

Update 10/2010. Subject to technical modifications.



Köster & Co. GmbH
Spreeler Weg 32
D-58256 Ennepetal
Deutschland



Tel. + 49 (0)23 33 8306-0
Fax + 49 (0)23 33 8306-38
E-mail info@koeco.net
Internet www.koeco.net

