



# 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.

Microprocessor controls, current regulation and high performance ensure precise repeatability and optimum welding results, even under a great variety of conditions.

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



ELOTOP COMPACT STUD WELDING EQUIPMENT

# SERIES ELOTOP

Technical data	502	802	1002	1702	2002	3002
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)	450	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
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	-	●	●	●	●	●
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 <sup>2</sup> )	5/2.5	5/4	5/4	5/10	5/16	5/16
Mains fusing time-lag at 230/400 V (A)	35/16	35/25	50/35	100/63	160/80	200/125
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	375x220x285	530x305x350	600x325x370	700x415x460	805x430x530	960x610x625
Swivel castors/fixed castors	-	2/2	2/2	2/2	2/2	2/2
Handle	1	2	1	1	1	1
Lifting eye	-	1	1	1	1	1
Weight (abt. kg)	28	50	87	160	185	355
Shielding gas equipment	●	●	●	○	○	○
Stud counter	-	○	○	○	○	○
Interface for automatic components	-	○	○	○	○	○
Stud welding guns:						
SK 12	●	●	○	○	○	○
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 15.03.2000. Subject to technical modifications.