

## TOP PERFORMED COMPACT EQUIPMENT FOR DRAWN ARC STUD WELDING

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 construction 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 (not for ELOTOP 510). The intelligent self-diagnosis system increases productivity through minimizing machine downtime.

### ADVANTAGES OF THE ELOTOP SERIES

- Robust all duty stud welding equipment
- For stud diameter from 3 to 25 mm
- Maximum current from 450 to 3500 Amps
- Easy handling for operator and service
- Optimally for using on construction site and shop fabrication
- Steel housing, powder-coated

# COMPACT STUD WELDING EQUIPMENT

Top performed compact equipment  
for drawn arc stud welding

ELOTOP  
Series

# THE ELOTOP SERIES

Our compact stud welding equipment



Unit: 510

Unit: 810

Unit: 1010

Unit: 1710



Unit: 2010

Unit: 3010

Unit: 3020

Unit: 6020

Unit	510	810	1010	1710
Stud welding with ceramic ferrule Weldable stud range Ø (mm)	3-8	3-12	3-14	3-20
Short cycle stud welding Weldable stud range Ø (mm)	3-6	3-8	3-10	3-12
Stud welding with shielding gas, Weldable stud range Ø (mm)	3-8	3-10	3-12	3-16
Max. current (A)	450	800	1100	1800
Current setting range (A)		50-750	150-1000	150-1600
Time setting range (ms)	20-460	20-600	20-1000	20-1500
Gas pre-flow time (ms)	1000	100-2000	100-2000	100-2000
Max. stud/min. at ... Ø (mm)	15/3 4/8	32/3 3/12	49/3 4/14	50/3 2/20
Self-diagnosis: overheating	●	●	●	●
short circuit control	●	●	●	●
mains phase failure	●	●	●	●
malfunction of pilot arc	●	●	●	●
Microprocessor control	●	●	●	●
Constant current regulation	-	●	●	●
Repeat cycle lock	●	●	●	●
Mains connection 50/60 Hz 3-phase (V)	400	230/400	230/400	230/400
Mains connection special voltages (V)	○	○	○	○
Mains plug at 400 V (A)	32	32	32	63
4-wire mains cable at 400 V (m/mm <sup>2</sup> )	5/2,5	5/4	5/4	5/10
Mains fusing time-lag at 230/400 V (A)	16	25	35	63
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
Tolerance range mains voltage (%)	-15/+6	-15/+6	-15/+6	-15/+6
Menu: selection of various languages	-	●	●	●
Dust and moisture protection of control unit	●	●	●	●
Class of protection	IP 23	IP 23	IP 23	IP 23
Stud counter resettable	-	●	●	●
Stud counter totally	-	●	●	●
Interface for automatic components	-	○	○	○
Housing dimensions (L x W x H) mm	375 x 220 x 360	555 x 308 x 535	555 x 308 x 535	700 x 415 x 660
Weight (approx. kg)	25	65	85	160
Shielding gas equipment	●	●	●	○
Stud welding guns:				
SK 14	●	●	○	○
K 22	○	○	●	○
K 22-D	-	-	○	●
K 24	-	-	-	-
K 26	-	-	-	-

Unit	2010	3010	3020	6020
Stud welding with ceramic ferrule Weldable stud range Ø (mm)	3-22	6-25	6-25	6-25
Short cycle stud welding Weldable stud range Ø (mm)	3-12	6-12	6-12	6-12
Stud welding with shielding gas, Weldable stud range Ø (mm)	3-16	3-16	3-16	3-16
Max. current (A)	2300	3500	3500	3500
Current setting range (A)	300-2000	300-2600	300-2600	300-2600
Time setting range (ms)	20-1500	20-2000	20-2000	20-2000
Gas pre-flow time (ms)	100-2000	100-2000	100-2000	100-2000
Max. stud/min. at ... Ø (mm)	52/3 4/22	50/6 6/25	50/6 6/25	55/6 7/25
Self-diagnosis: overheating	●	●	●	●
short circuit control	●	●	●	●
mains phase failure	●	●	●	●
malfunction of pilot arc	●	●	●	●
Microprocessor control	●	●	●	●
Constant current regulation	●	●	●	●
Repeat cycle lock	●	●	●	●
Mains connection 50/60 Hz 3-phase (V)	230/400	230/400	230/400	230/400
Mains connection special voltages (V)	○	○	○	○
Mains plug at 400 V (A)	63/125	125	125	125
4-wire mains cable at 400 V (m/mm <sup>2</sup> )	5/16	5/16	5/16	5/16
Mains fusing time-lag at 230/400 V (A)	63/80	125	125	125
Mains power consumption at ...% ED (kVA)	2,5/7/100 156/93/25	8/13/100 187/145/52	9/16/100 187/145/52	10/17/100 225/173/62
Tolerance range mains voltage (%)	-15/+6	-15/+6	-15/+6	-15/+6
Menu: selection of various languages	●	●	●	●
Dust and moisture protection of control unit	●	●	●	●
Class of protection	IP 23	IP 23	IP 23	IP 23
Stud counter resettable	●	●	●	●
Stud counter totally	●	●	●	●
Interface for automatic components	○	○	○	○
Housing dimensions (L x W x H) mm	805 x 430 x 730	950 x 605 x 860	1150 x 610 x 905	920 x 610 x 975
Weight (approx. kg)	190	350	390	490
Shielding gas equipment	○	○	○	○
Stud welding guns:			Two gun connection	Two gun connection
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 08/2017. Subject to technical modifications.