

KOCO

More than just
stud welding.

**Flexibility
that leaves
its mark.**



ELOTOP + 13 *Raccoon*

**Efficient quality assurance.
Active process control.**

+ 13 *Raccoon*

product highlights

ELOTOP + 13 *Raccoon*

- + Self-diagnostics for: Overtemperature, short circuit in control cable, mains phase failure and pilot current fault
- + Fully-controlled thyristor bridge
- + Microprocessor-controlled
- + Constant current control
- + Retriggering safety device
- + Mains connection special voltages (V): optional
- + Control unit protected against dust and moisture
- + Steel housing, powder-coated
- + Stud counter
- + Connection of automatic components: optional
- + Menu navigation: multilingual
- + Parameter library for head bolts
- + Process control based on current, voltage and lift curves; evaluation based on mean values and deviations
- + Parameter documentation/saving of process data and curves in 'CSV format'; USB port
- + Save error logs for service purposes
- + Support for all existing and future KÖCO lifting systems
- + Display of protrusion in conjunction with a stud welding gun with measuring sensors
- + Display lock
- + Can be expanded in the future with additional modules such as LTE, automation interface, etc.

* only applies to standard 400V configuration with supplied cable/mains plug (without extension of the mains and welding cables; larger cable cross-sections are required for $\leq 230V$ mains voltage)

** to be interpreted individually, local regulations and conditions must be observed

a: unless otherwise stated, for all available voltages

b: The permissible lengths for mains and welding cable extensions can be increased if welding is carried out at a lower current than specified. If the power supply is weak, it may not be possible to fully utilise the maximum lengths of the mains and welding cable extension together.

TECHNICAL DATA ^a	ELOTOP + 13 <i>Raccoon</i>
Stud diameter (Ø) for stud welding with ceramic ring	3-14 mm
Stud diameter (Ø) for short cycle stud welding	3-10 mm
Stud diameter (Ø) for gas-shielded stud welding	3-12 mm
Protective gas equipment	standard
Continuous current setting range	150-1000 A
Continuous time setting range	20-1000 ms
Shielding gas pre-flow time (ms)	100-2000 ms
Shielding gas post-flow time (ms)	100-1000 ms
Storage option (parameter sets)	20
Max. studs/min.	49/min at 3 mm Ø * 4/min at 14 mm Ø *
Mains connection	Three-phase current 50/60 Hz
Mains plug (400 V) CEE	32 A
Appliance connection cable (400V) with 5 m length	4 mm ²
Appliance connection cable (208V/230V/460V)	- **
Slow-blow mains fuse (400 V)	35 A
Slow-blow mains fuse for special voltage devices (208 V / 230 V / 460 V)	50 A/50 A/35 A **
Mains power consumption (P _{1max})	73 kVA
Max. welding cable length with specified welding current and cross-section ^b	800 A / 30 m at 70 mm ²
Mains voltage tolerance	-15/+6 %
Protection type	IP 23
Protection class	I
Cooling type	AF
Storage temperature range	-20 °C to +70 °C
Relative humidity	up to 50 % at 40°C up to 90 % at 20°C
Housing dimensions (L x W x H) mm	555x308x535
Castor wheels/fixed wheels	2/2
Handle	2
Crane eye	2
Weight (kg)	approx. 85 kg
Welding gun connections	1
Earth sockets	1

Interested? Get in touch with us!



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