KOCO

More than just
stud welding.

Intelligence that leaves its mark.



ELOTOP +22 *Fox*

Efficient quality assurance.
Active process control.



product highlights

ELOTOP+22 Fox

- 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 arerequired for ≤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+22 Fox
Stud diameter (Ø) for stud welding with ceramic ring	6-22 mm
Stud diameter (Ø) for short cycle stud welding	-
Stud diameter (Ø) for gas-shielded stud welding	6-16 mm
Protective gas equipment	optional
Continuous current setting range	300-2000 A
Continuous time setting range	100-1500 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.	45/min at 6 mm Ø * 4/min at 22 mm Ø *
Mains connection	Three-phase current 50/60 Hz
Mains plug (400 V) CEE	63 A
Appliance connection cable (400V) with 5 m length	16 mm^2
Appliance connection cable (208V/230V/460V)	- **
Slow-blow mains fuse (400 V)	63/80 A
Slow-blow mains fuse for special voltage devices (208 V / 230 V / 460 V)	150 A/80 A/63 A **
Mains power consumption (P_{1max})	156 kVA
Max. welding cable length with specified welding current and cross-section[b]	1600 A / 40 m at 95 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	805x430x730
Castor wheels/fixed wheels	2/2
Handle	1
Crane eye	2
Weight (kg)	approx. 190 kg
Welding gun connections	1
Earth sockets	2

Interested?
Get in touch with us!

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