

# A2-A6 Process Controller PEK

For use with ESAB CAN-controlled power sources and motors

- For use with ESAB automatic DC power sources LAF 631/ 1001/1251/1601 and AC power sources TAF 801/1251 and the Aristo® 1000 AC/DC power source.
- CAN-bus system for data transfer.
- Prepared for submerged arc welding (SAW), gas metal arc welding (GMAW) and arc gouging.
- User-friendly clear text menus.
- Selectable welding process.
- Memory for 255 parameter sets.
- Constant current or constant wire speed.
- Encoder-controlled motors for top performance motion control.
- USB port for data back-up and transfer.
- Used welding parameters can be stored directly on a USB memory drive.
- Documentation of used welding parameters on PC or through LAN with WeldPoint™.
- Five “soft keys” can be configured according to operator preferences.



Adjustable sun shield for better visibility for outdoor use



## Ordering Information

A2-A6 process controller PEK 0460 504 880

## Options & Accessories

### I/O-Module 0462 080 001

Set of connectors 0462 119 880  
Cable restraining bracket 0460 861 880

## Specifications

	A2-A6 Process Controller PEK
Connection voltage from the power source	42V AC, 50/60 Hz
Connection power	max 900 VA
Motor connection adjusted for ESAB's A2 and A6 motors	connection of 2 motors, motor current 6A cont., max 10A
Speed control	feedback from pulse encoder
Welding speed, m/min (ipm)	0.1-2.0 (4-79) depending on travel carriage
Max. manual travel speed, m/min (ipm)	2.0 (79)
Consumable wire feed speed, m/min (ipm)	0.3-25 (12-984) depending on wire feed unit
Valve output	1 pc, 42 V AC, 0.5A
Inputs	for connection of sensors or limit switches
Connection to power source	Burndy contact 12-poles
Max ambient temperature, °C (°F)	45 (113)
Min ambient temperature, °C (°F)	-15 (5)
Relative humidity (of air)	98%
Dimensions, LxWxH, mm (in.)	246x235x273 (7x9.25x11)
Weight, kg (lbs)	6.6 (14.5)
Enclosure class	IP23