

# A2-A6 PEK Process Controller

## For Use with ESAB Power Sources and Motors



- For use with ESAB automatic DC power sources LAF 631/1001/1251/1601, AC power sources TAF 801/1251, and 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



### Ordering Information

A2-A6 PEK process controller ..... 0460504880

### Options & Accessories

I/O-Module ..... 0462080001  
 Set of connectors ..... 0462119880  
 Cable restraining bracket..... 0460861880



Adjustable sun shield for better visibility for outdoor use

### Specifications

A2-A6 PEK Process Controller	
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, ipm (m/min)	4-79 (0.1-2.0) depending on travel carriage
Max. manual travel speed, ipm (m/min)	79 (2.0)
Consumable wire feed speed, ipm (m/min)	12-984 (0.3-25) 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, °F (°C)	113 (45)
Min ambient temperature, °F (°C)	5 (-15)
Relative humidity (of air)	98%
Dimensions, LxWxH, in. (mm)	7x9.25x11 (246x235x273)
Weight, lbs. (kg)	14.5 (6.6)
Enclosure class	IP 23

### ESAB Welding and Cutting Products

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