

A2 Process Controller PEI

For use with ESAB power sources and motors



- Control system for A2 tractors and A2 welding heads
- Analog type that can control most brands of power supplies.
- Suitable for submerged arc welding (SAW) or gas metal arc welding (GMAW)
- Travel speed, voltage and wire feed speed can be adjusted by simply turning the knobs - actual data is shown on digital displays during welding.
- Change welding direction using switch on front panel.
- Choice of scratch start or direct start methods.
- Adjustable burn-back time.



Ordering Information

A2 process controller PEI 0449 330 880

Options & Accessories

Control cable, 15 m (49 ft)	0449 500 880
Control cable, 25 m (82 ft.)	0449 500 881
Control cable, 35 m (115 ft.)	0449 500 882
Control cable, 50 m (164 ft.)	0449 500 883
Control cable, 75 m (246 ft.)	0449 500 884
Control cable, 100 m (328 ft.)	0449 500 885

Specifications

	A2 Process Controller PEI
Connection voltage from the power source	42V AC, 50/60 Hz
Connection power	max 700 VA
Motor connection adjusted for ESAB's A2 motors	42V DC, 3.5 A P100%, 4.5A P60%
Speed control	Internal EMK-adjustment
Welding speed, m/min (ipm)	0.1-2.0 (4-79) depending on travel carriage
Max. transport speed, m/min (ipm)	2.0 (79)
Consumable wire feed speed, m/min (ipm)	0.5-16.2 (20-640) depending on wire feed unit
Burnback time, s	0-2.0
Gas pre-flow time, s	0.5
Gas post-flow time, s	1.0
Connection to power source	Burndy contact, 23 poles
Welding voltage control, V DC	0-10
Flow guard	NO Contact / PNP OC
Limit switches	NO Contact / PNP OC
External current shunt, A/mV	1000/60, 1500/60, 600/100, 750/100
Operating temperature, °C (°F)	-10 - +40 (14-104)
Weight, kg (lbs.)	6.2 (14)
Dimensions LxWxH, mm (in.)	197x227x220 (7.8x9.0x8.7)
Enclosure class	IP23