

CWT™ ATC-3

AUTOMATIC TORCH CONTROL



Key Features

Our Automatic Torch Control (ATC-3) is a compact, lightweight, welding torch height tracking and control system. The ATC-3 utilizes an operator pendant to program and control the Linear Slide Assembly (LSA).

- » This system provides independent control of all torch movements in the vertical plan
- » Has two modes of torch height tracking:
AVC for CC Power Source and ACC for CV Power Source
- » Can perform Auto Height Tracking when in tracking mode or Manual Height adjustments when tracking is turned OFF.
- » Provides Torch Height adjustments with 0.001" resolution

Connectivity »
RS-485 Serial Port with
Modbus® Protocol

FEATURES:

» ATC-3 Controller

- Compact, lightweight, weld torch manipulation controller
- Status LEDs

» Operator Pendant Features

- OLED graphics display for setup and programming
- Program Switch
- Edit Switch
- Mode Switch
- Jog Switch

» LSA-3007 Slide

- Max 6.50" [165 mm] travel
- Home switch
- Velocity 0.2 - 1.5 inch/sec
- Movement resolution 0.001 inch
- Max weight capacity 25 lbs @ 3" from face

» Applications

- Single add-on height tracking for existing or new systems
- GTAW or GMAW welding height control

STANDARD CONFIGURATIONS

Product Name	Product Number	Input Power	Net Weight lbs (kg)
ATC-3 System - 110 VAC	SOA5119	115vac @ 1.0 amps	8 (3.6)
LSA-3007 Linear Slide System	SOA5136-25	24vdc @ 4.0 amps	3 (1.4)

ATC-3 System (SOA5119)



What's Included

- WOC-2 Controller with 110vac American powr cable
- WOC-2 Operator Pendant
- Remote I/O Cable

LSA-3007 Horizontal Slide System (SOA5136-25)



What's Included

- 6-1/2" Travel Linear Slide
- 25' Motor Cable

For additional slide configurations email sales@cweldtech.com or call 713-462-2118

PRODUCT SPECIFICATIONS

ATC-3 Control Enclosure Specifications

Enclosure Dimensions	4.75"H X 2.25"W X 11.00"L (121 mm x 57 mm x 279 mm)
Mounting Dimensions	1.25" W x 10.25" L, four 0.25" diameter hole
Weight	4 lbs (1.8 kg)
Operating Temperature	-10°F [-23°C] to +140°F [+60°C]
Dwell Time	0.02 to 2.0 seconds (left and right)
Velocity	100 – 6700 steps/sec
Peak Motor Current / Phase	2.0 – 6.0 amps
Two Remote I/O Outputs	Isolated Solid State Relay (SSR) 28VDC max @ 100 ma
Two Remote I/O Inputs	Isolated 28 VDC input @ 10 ma.

ATC-3 Operator Pendant Specifications

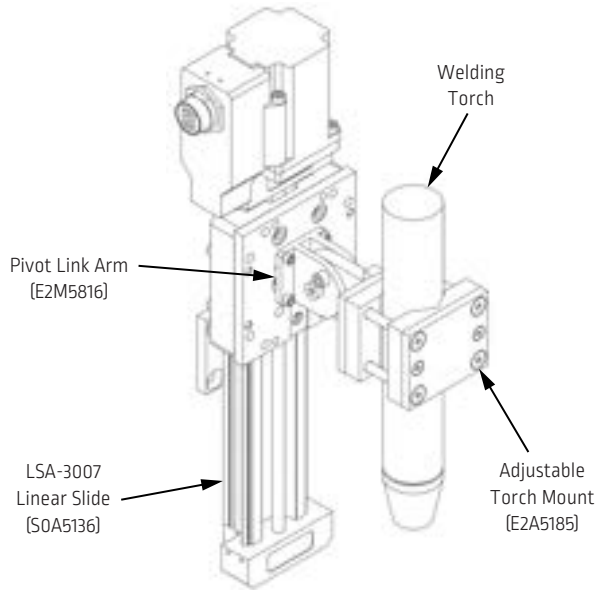
Enclosure Dimensions	2.0"H x 3.5"W x 5.75"L (50mm x 89mm x 147 mm)
Mounting Dimensions	Hand held
Weight	3 lbs (1.4 kg)
Operating Temperature	-10°F [-23°C] to +140°F [+60°C]
Power Requirements	24 VDC @ 0.2 amps

LSA-3007 Linear Slide Specifications

Slide Dimensions	15.86"H x 3.98"W x 2.59"D (403mm X 100mm x 66mm)
Mounting Dimensions	2.125" H X 1.625" W (53.98mm X 41.28mm)
Weight	7 lbs (3.18kg)
Approximate Weight Limit	25 lbs (11.34 kg) at 3" (76.2mm) from slide face
Max Travel Distance	6.50" (165.1mm)
Travel Velocity	0.2" – 1.5" (5.08mm - 38.1mm) per second
Operating Temperature	0° to 150° F [0° to 65° C]

LINEAR SLIDE OPTIONS

Product Name	Product Number	Net Weight lbs (kg)
Pivot Link Arm	E2M5816	0.19 (0.09)
Adjustable Torch Mount	E2A5185	0.81 (0.37)



Pivot Link Arm (E2M5816)



Pivot Link Arm operates with the Adjustable Torch Mount to make pivot adjusts for the welding torch. Pivot Link Mount is installed to the slide block on the horizontal slide.

Adjustable Torch Mount (E2A5185)



Adjustable Torch Mount will pivot to allow proper positioning the welding torch. Handles a torch from 3/4" to 1-1/2" in diameter.

The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, maintenance of the equipment and the specific welding procedure and application involved. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

CUSTOMER ASSISTANCE POLICY

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