

WC-1

Process Controller



Add-On Weld Process Controller

The Thermal Arc **WC-1**, Controller allows a compact packaged micro-processor system to be added onto a Thermal Arc **Ultima-150™** or **WC-100B** Component plasma welding package to provide accurate, and repeatable parameter control over the entire welding system. The Controller provides a full-featured current Pulser to aid in controlling warpage, penetration and the weld puddle. The Sloper function is designed to permit the development of a complete sequence of operation for a specific welding job. Two programmable outputs are featured, one is used to control the Plasma power source and the second, controls a Cold Wire Feed Motor Drive Control. The Controller provides 32 user selectable weld schedules.

WC-1 Add-On Microprocess Controller

Features:

- 32 Weld Schedules
- Program/Run key lock switch
- 8 status LED's
- 9 Optically isolated inputs
- 5 solid-state isolated relay outputs
- Easy Three button programming
- Large LCD back light Display View screen
- RS232 Port for Computer programming interface
- Controlled Weld Pulse Rate up to 500 Pulses/Sec



- Plasma Welding
- Plasma Brazing
- Plasma Overlaying

WC-1 Weld Processor Controller for Ultima-150 or WC100B packages

Specifications Information:

WC-1 Microprocessor

Power Requirements: 115/240 vac 50/ 60Hz @ 0.2kw

Operating Temp: 10 Degrees F to +140 Degrees F
(-23C to +60C)

Dimensions:

Height: 5" (102mm)

Width: 9" (165mm)

Depth: 11"(280mm)

Relay Outputs: 115 VAC/VDC 1 amps normally open contact

Switch Inputs: 5 — 24 vdc @ 1.0 — 8.0 ma

Analog Outputs: 10vdc precision reference output. 10bit resolution (10mv resolution) Maximum output current 10ma. Output is short circuit protected.

Encoder Input: Pulse accumulator input 5.0vdc TTL level with 4.7K pull-up. Maximum input frequency 15khz.



Ordering Information:

	Part No.		Part No.
WC-1 Process Controller	600279	Cable Assemblies	
		WC-1 to Ultima® 150 or WC100B (required)	9-4129

Accessories

25" Remote Hand Pendant 600280

WF-100 Cold Wire Feed

For Cold Wire Feed ordering details see the WF-100 catalog pages.



Got Power...?

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