

Model 415 WDR

REMOTE PENDANT



FEATURES

- Designed to interface to Model 415 power supply
- Includes 25 ft / 6 M cable w/ strain relief
- Includes 40 ft / 12 M extension cable
- Rubber Silicon Multi-keypad with tactile feedback for industrial applications
- Protective weld shield
- Weld viewing window
- LED display providing operator with weld details and parameter values based on button pressed
- Jog buttons for travel, wire, AVC
- Encoder wheel for cross seam slide position
- Over-rides for Weld current, AVC, Wire, Travel and OSC parameters
- Ability to change programs within a folder, weld levels, weld passes
- Seq. Start, Seq. Stop, All Stop and Emergency stop capability
- 4 position button used to control wire manipulator position
- 6 undefined user buttons which can be programmed as needed for special applications
- Lamp button to turn on/off lamps associated with digital cameras
- Wire On/Off control button
- Travel Direction and Off button
- Gas Purge button
- Oscillation button
- Clear fault button
- Weld mode / Test Mode button.
- Other special function buttons for ease of remote operation
- Weight w/ 25 ft cable: 7 lbs (3.2 kg)

ACCESSORIES

- Includes shipping/carrying case
- Rugged metal enclosure with Removal Rubber Silicon outer cover



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Model 501

HOT WIRE WELDING POWER SUPPLY



MODEL 501 HOT WIRE REMOTE PENDANT

The Model 501 remote pendant is designed to allow the operator to control the hot wire output of the Model 501 hot wire power supply. The operator can set the desired output voltage via the thumbwheel potentiometer on the pendant, from 0.0 to 20.0 volts. When the operator flips the toggle switch, the output goes active.

During welding the operator can change the output voltage using the thumbwheel. When the output is active, the two LED bargraphs illuminate to indicate the actual output current and output voltage being measured. The Model 501 hot wire power supply has only one remote control connector.

So if the M501-RP is connected, the M501 power supply cannot be remotely controlled by another device, like the M415 power supply for example.

FEATURES

- Designed to interface to and control the Model 501 hot wire power supply
- Includes 25 ft / 6 M cable w/ strain relief
- Steel Enclosure with handle
- LED bar display for hot wire AC current feedback
- LED bar display for hot wire AC voltage feedback
- Thumbwheel Potentiometer to set desired hot wire voltage setting
- Toggle switch to activate or de-active hot wire output voltage
- Ability to override hot wire voltage during welding
- Useful tool when calibrating hot wire power supply output voltage
- Useful tool when trouble shooting Model 501 hot wire power supply


Hot Wire remote pendant is an optional accessory and must be purchased separately when purchasing the Model 501 hot wire power supply.

- Weight w/ 25 ft cable: 6.5 lbs (3 kg)

Model 501

HOT WIRE WELDING POWER SUPPLY

QUICK SPECS	
Input Power	200 - 240 VAC 25 A, 1Ø
Output Current	250A (AC) @ 100% Duty Cycle (DC Output Module optional)
Open Circuit Voltage	16V
Output Voltage	0 - 10V
Loop Response	1.2 sec
Weight	135 lbs. (61.5 kg)
Dimensions	23" x 19" x 9.5" (585 mm x 485 mm x 240 mm)

MODES OF OPERATION	
<p>The Model 501 Hot Wire Power Supply can be used:</p> <ul style="list-style-type: none"> • as a stand-alone unit with its own Operator Pendant • with the AMI Model 415 WDR Power Supply/Controller • by an external weld process controller 	<p>THE AMI MODEL 415 WDR, 400 A DC POWER SUPPLY/CONTROLLER</p> 

A versatile hot wire welding automation system may be created by equipping an AMI Model 2 weld head with a hot wire torch, AVC, Oscillator, optional Active-Filter Vision System, and the AMI Model 415 WDR Power Supply. This combination can be used for high-quality, high-productivity applications, such as narrow groove welding and cladding.

 <p>M501 Remote Connector</p> <p>Circuit Breaker (ON/OFF)</p> <p>Input Power Connector</p>	 <p>Connector for an external enable signal</p> <p>Hot Wire AC Current Connectors</p> <p>Connector to external voltage sensor</p>
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ACCESSORIES	
<ul style="list-style-type: none"> • Remote Operator's Pendant • Wire feeder • Vision system • DC output module (optional, not shown) • Current monitoring (not shown) 	  



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MODEL 317

ORBITAL WELDING CONTROLLER

QUICK SPECS	
Input Power	208-240 VAC (-01) 208-480 VAC (-02) 50/60 Hz 1,3 phase
Dimensions	Height: 20.1/2" Width: 29.1/2" Depth: 17.3/4"
Weld Current	Up to 350 (A) 100% Duty Cycle 3 phase
Weight	125 lbs.
I/O Devices	4 USB ports 4 Gigabytes Ethernet (Purchase separately)
Water Cooler	YES
Weld Cloud	YES
Orbital Analytics	YES

TOUCH SCREEN, REMOTE PENDANT



FEATURES

- Full Function pendant for pipe welding
- Ergonomic design with different grip points
- Combination of Touch Screen and Keypad entry and operation
- Ability to select weld programs from M317
- Ability to execute, adjust, override and stop weld programs
- User Friendly graphical user interface
- Keypad includes color reference for similar weld functions



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