



XPro-Mobile Weld Controller

Advanced Controls • Mobile • Flexible



Advanced Automated Welding Systems

The XPro-Mobile is AMET's most advanced portable weld controller. It combines all welding controls and process equipment into a single, self-contained enclosure. The XPro-Mobile controls a variety of "Hard Automation" welding fixtures such as weld lathes, column and boom welding systems, side beam weld cells, seamers, etc. The XPro-Mobile also controls portable welding automation fixtures such as Orbital Weld Heads.

The XPro-Mobile has been carefully crafted for adaptability and flexibility. All programmable welding functions are integrated into the control system using AMET's intuitive XPro user interface. The XPro-Mobile can be configured with your choice of weld power supplies suited for your needs in GTAW, GMAW, PAW, and SAW, including VP applications.



Configuring the XPro-Mobile for different welding fixtures/heads is accomplished on-the-fly using a configuration utility in the XPro software. This creates a common user interface for multiple welding stations, which can significantly reduce personnel training and orientation time.

Advantages

- MA Mobile Weld Control:** The XPro-Mobile weld process controller houses a welding power supply, water recirculator, process control modules, and a graphical user interface to provide a fully self-contained, mobile, multi-process welding controller.
- MA Flexible Weld Controller:** The XPro-Mobile is capable of operating hard automation and specialized welding fixtures, either fixed or portable, including orbital weld heads from a variety of manufacturers.
- MA User Interface:** The XPro-Mobile provides a common user interface with a large display, clear process information, data acquisition, and integrated video for multiple welding stations, which can significantly reduce personnel training and orientation time.
- MA Multi Process:** The XPro-Mobile can be provided with a choice of welding power supply in GTAW, GMAW, PAW, and SAW, including VP applications.
- MA Advanced Programming:** The XPro offers advanced programming functionality allowing even the most challenging of welding applications to be controlled.
- MA Retrofit Capable:** The XPro-Mobile can provide new advanced controls to existing fixtures to increase capability and extend equipment service life. Retrofits are possible on equipment that was not produced by AMET®, reducing system costs by reusing existing weld fixtures.



Standard Features



1. An LCD touchscreen is mounted to the front of the enclosure for easy access to the HMI (Human Machine Interface). A specific configuration file can be created for each weld fixture and loaded from the Setup mode. The separate configuration files help ensure that the correct software is loaded for the corresponding weld fixture from the user interface.

2. To help maximize mobility, four lifting rings and two handles are included. The lifting rings can be used to move the controller from one welding fixture to another, or it can simply be moved using the handles and pushed to the desired location.

3. The enclosure includes several vents to increase airflow and prevent overheating of the controller and welding components.

4. A bulkhead provides access to the weld process connections including shielding gas with manual flow meter, coolant supply and return lines, and welding cables. This bulkhead also includes a single point power distribution box that provides power to the entire controller, including the welding power supply. A disconnect switch is also included to completely disconnect the weld controller from the power circuit.

5. The remote handheld pendant includes two joysticks and four sets of soft keys for up to eight axes of jogging motion control. These are used for positioning the weld head and part prior to and during the weld. The pendant is also used for weld parameter overrides and monitoring the weld with a single built-in digital meter display. The pendant can be mounted to the front of the enclosure when not in use. A wireless version of the pendant is available as an option.

6. Up to two water circulators, depending on size, can be housed inside of the enclosure.

7. The welding power supply is housed directly inside of the enclosure for a completely integrated weld process controller. The enclosure is capable of housing power supplies with up to 800 amp output capacity.

XPro-Mobile Weld Controller Specifications

Module Specification	Value	
	Imperial	Metric
Width	32.4 in	82.3 cm
Height	49.1 in	125.0 cm
Depth	47.1 in	120.0 cm
Weight	900 lbs	409 kg
Input Power*	480 VAC, 60 Hz, 50 Amp, 3-Phase	

* The XPRO Mobile weld controller includes an integrated Single Point Power Distribution package. This allows one single power input to meet the various voltage and amperage demands of the XPRO weld controls, welding power supply, and water circulator.

- A** The XPro-Mobile Weld Controller is equipped with a 13.3" touch screen display.
- A** The XPro-Mobile Weld Controller has two rigid and two swivel casters for easy positioning relative to the welding fixture. The swivel casters feature brakes to lock the position of the XPro-Mobile weld controller once positioned.

Contact AMET® Inc. to discuss the benefits that the XPro-Mobile can provide your welding operations.

