



XPro-Portable Weld Controller

Advanced • Portable • Flexible



Advanced Automated Welding Systems

The XPro-Portable combines the capabilities and power of the XPro technology platform and advanced user interface into a durable transportable package. The XPro-Portable is designed to be integrated with portable welding fixtures and a welding power supply to effectively perform in situ welding applications.

The XPro-Portable weld controller is constructed using a series of interconnecting modules. This allows the XPro-Portable to be disassembled for convenient transportation of the individual modules to a remote work site. Once the modules arrive on the job-site, complete assembly takes minutes and requires no tools. Each module interlocks mechanically and electrically using precision designed integral connections.



Advantages

- Maximum Portability:** The XPro-Portable provides a powerful weld control platform with maximum portability for field use, especially in applications within a constrained area.
- Flexible Weld Controller:** The XPro-Portable is capable of operating hard automation and specialized welding fixtures, either fixed or portable, including orbital weld heads from a variety of manufacturers.
- Touch Screen Interface:** The Human Machine Interface (HMI) features a touch screen display providing easy navigation and weld program creation.
- Advanced Programming:** The XPro-Portable offers advanced programming functionality allowing even the most challenging of welding applications to be controlled.
- Expandable:** The XPro features "Plug and Weld" modules allowing the addition of increased system capabilities using additional modules that are automatically recognized and integrated when connected.
- Long-term Support:** AMET® writes the XPro software and manufactures all hardware, including the control boards, ensuring minimal risk of obsolescence due to third-party changes. The XPro-Portable utilizes an embedded Linux operating system ensuring that AMET® will be able to provide long-term support and stability.
- Retrofit Capable:** The XPro-Portable can be integrated with existing fixtures to 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. The top module contains the human machine interface, XPro Mod Interface, memory, and other interface components. A 15.6" LCD touchscreen is mounted within the control module. The Weld, Edit, and Setup Modes, and their program screens are intuitively presented on the touchscreen for program creation and execution. Optional 9.7" weld view displays may also be added in the upper lid of the operator console module.

2. The center module(s) contain(s) the motion controls for the welding process and other circuits necessary for the welding application. These modules are built to suit a specific range of applications and the contents of each module can be adjusted to accommodate customer personal carry weight restrictions.

3. The bottom module contains weld process monitoring and control services for shield gas flow, cooling water flow, weld power levels, etc.. The sensing module also houses the physical connections for these welding services.

4. 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 weld 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 optionally upgraded to a wireless version if desired.

5. Self-aligning mechanical guides and electrical connections secure and provide links for each module to the rest of the control system. These connections eliminate the need for external cables, which makes set-up easier and enhances durability.

6. Recessed Handles on each side of the modules ease transportation of the entire control system from jobsite to jobsite.

7. Two rotating latches on each module lock the module above in place allowing for a solid stable stack.

XPro-Portable Specifications

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Module Specification	Value	
	Imperial	Metric
Dimensions		
Width	20.7 in	52.6 cm
Height	9.8 in	24.0 cm
Depth	17.1 in	43.4 cm
Weight Per Module		
Operator Console Module	32.7 lbs. *	14.8 kg *
Motion Control Module	36.7 lbs. *	16.6 kg *
Sensing Module	44.7 lbs. *	20.2 kg *
Maximum per Module	75 lbs.	34.1 kg
Input Power	110 VAC, 60 Hz, 20 Amp, Single Phase	
* Weights listed are for the system as pictured, and are intended to provide a reasonable idea of the module weights, but may vary depending on specific customer requirements.		

FA The XPro-Portable has been designed to be disassembled and transported to an area of need. The Modules can be custom built to account for specific customer personal carry weight restrictions.

FA A typical system such as the one pictured for GTA Welding with Cold Wire Feed and motion controls for three axes would weigh approximately 120 lbs. (55 kg) excluding cables.

Contact AMET® Inc. to discuss the benefits of the XPro-Portable for your field use and confined space applications.

