



Super-MIG™ Hybrid Welding Process ADM IV™ Arc Data Monitor

Super-MIG™ Monitor

ADM IV™ for Super-MIG™ Hybrid Welding Process from Plasma Laser Technologies Ltd.

The industry leading ADMIV Arc Data Monitor and SPC Data collection system has now been configured to work exclusively with the Super-MIG™ Hybrid welding process from Plasma Laser Technologies. Monitor both the GMAW and Plasma processes and gather information into a single display and SPC data file. The system allows the user to display and set limits around Voltage, Current, WFS, and Plasma Welding Current and link the monitor back to a PC for remote data collection and process quality control. This device can be employed as a stand-alone unit or linked to a PC and plant ethernet system. The modular design and compact size of the new DART™ sensors, and the fact that it is software configurable, permits each user to design and implement their own unique system to achieve the desired end results. It can be configured "Stand Alone" and be operated from the display itself or when networked to a PC can utilize our "ADMSTAT Plus™ for Super-MIG™ software to be run on "Windows® 95/98/NT/XP" platforms.



The ADM IV™ for Super-MIG™ Hybrid Welding Process Monitor is a versatile quality control device, capable of assuring that all of your Super-MIG™ arc welding parameters meet or exceed "ISO-9000", "QS-9000" requirements and your Statistical Process Control (SPC) standards.

FEATURES

- Personal computer interface.
- 64 user definable weld schedules.
- Plug-in sensors for GMAW and PAW arcs.
- Logging of all weld process data including Volts, Amps, WFS, and Plasma Current.
- Compact, versatile, rugged and lightweight design.
- User definable fault diagnostic screen located on operator display panel.
- Easily installed in new or existing applications



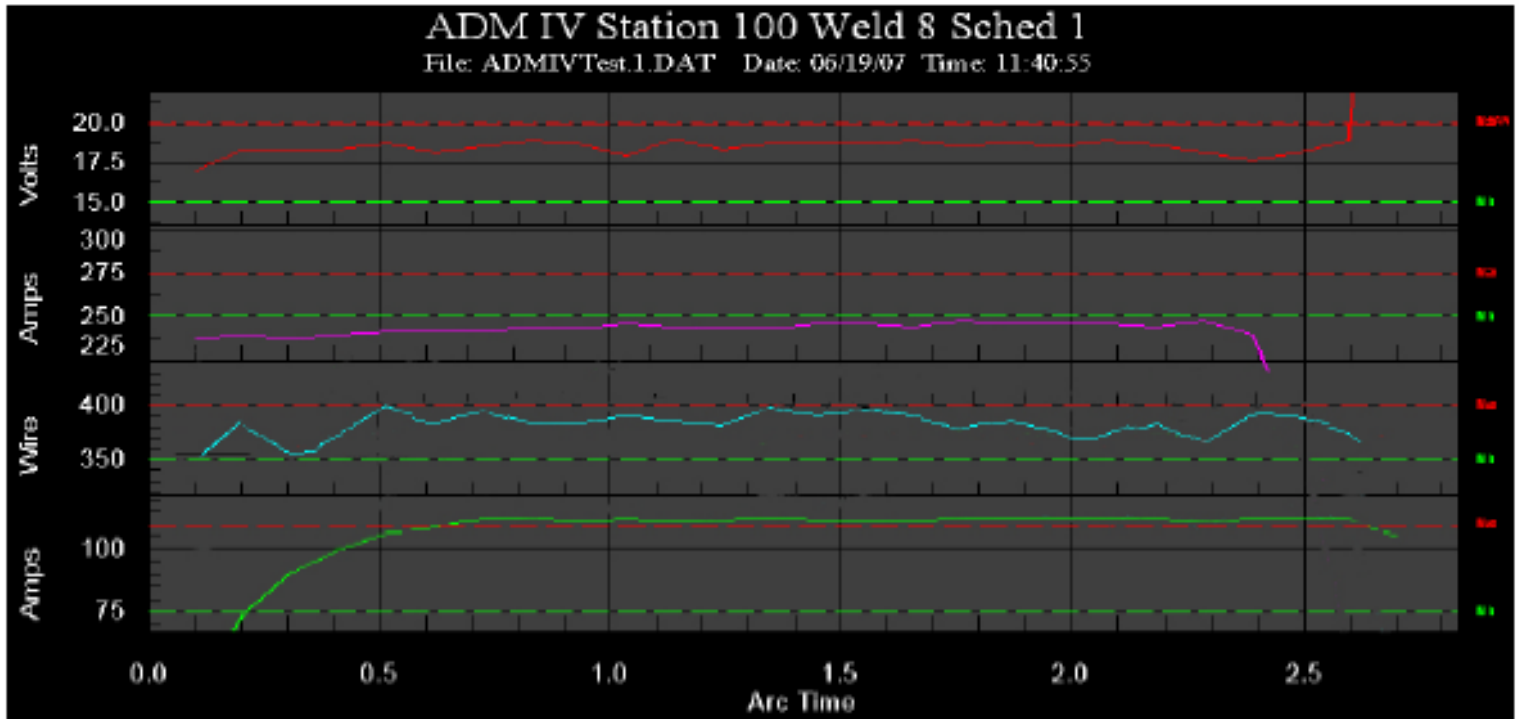
Super-MIG™ GMAW and PLASMA Arc Welding Sensors

- Compact "DART" Sensors facilitate process data monitoring from both the GMAW and Plasma Arcs.



ADM IV™ Super-MIG™ Specifications

ADM IV™ ADMStat Software for Super-MIG™



Mode of Operation

Data Monitoring - The ADM IV™ tests actual weld parameter data and compares it to upper and lower control limits for each parameter. When a fault condition is encountered, the system sets an internal alarm relay which can be used to shut down the welding system or activate an external alarm.

Data Logging - This mode is for data collection only. Welding parameter data can be downloaded to an external printer for hard copy printout and fault analysis or to a compatible personal computer using ADMSTAT Plus™ software for data storage and analysis.

Parameters Monitored / Logged

- GMAW Current (A)
- GMAW Voltage (V)
- GMAW WFS (IPM)
- PAW Current (A)
- One Spare Analog Input
- Travel Speed (Optional)
- Elapsed Time (sec)

* Heat input is calculated based on optional travel speed sensor or default travel speed specified by user.

Note: Specifications subject to change without notice.

Specifications

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| Dimensions: | 3.0" H x 8.5" W x 11" L (76mm x 165mm x 280mm) |
| Weight: | 9.5 lbs (4.3kg) |
| Power: | 115 vac or 220 vac 50 / 60 Hz @ 1 amp |
| Communications: | RS-232-C serial port RS-485 network port RS-485 pendant port Centronics parallel printer port |
| Interface: | 8 inputs (24 vdc) and 8 user definable relay outputs |

