

Weldlogic Europe Ltd
Announce a major enhancement to the
AWS150 computer controlled welding systems



Known as
AWS Monitor



Developed with one of our major customers and proven in a production environment, AWS Monitor is a Windows based, real time data acquisition system, designed to run on a standard PC or laptop.

All the main TIG welding parameters, of arc voltage, welding current, weld-head travel, wire-feed speed, and process time are measured and recorded.

The AWS Monitor system has been designed specifically to provide all the quality assurance information required by industries, such as Aerospace, Medical, Motor-sport, Nuclear and Sensor who demand consistent high-quality welds, traceability and certificate of conformance as standard business practice.



Feature List

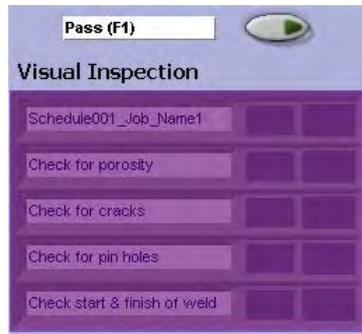
- Provides visual AWS150 indicator panel or dashboard
- Provides user friendly error messages in splash-screens
- Provides component serial number or automatic batch file recorder
- Provides Operator comments box
- Provides special work instruction box
- Provides Operator name or initials box
- Provides visual inspection record of completed weld
- Visual weld inspection list can be edited to suit application
- Provides weekly report of visual inspection record as text file
- Monitors the AWS150 welder, capturing all data up to 4 times a second and saves all data to disc, including date and time
- Captures machine serial number or weld-cell number (editable)
- Weld schedule can be viewed in graphic mode as the weld takes place, or as a saved history file
- Completed weld graphs can be printed
- Provides ability to compare real time data against master comparison files (with limits)
- Provides ability to compare one or more data fields; voltage, current, travel and wire feed
- Provides set-up panel for comparison limits
- Provides advanced Software Limits Calculation Manual Editor
- Saved files can be easily analysed using various popular applications such as MS Excel and MS Access



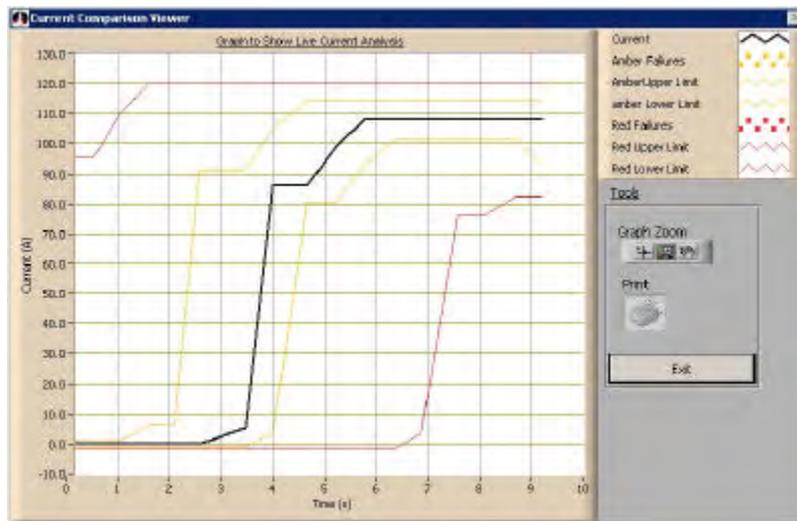
AWS Monitor



Dashboard



Visual weld inspection



Engineers Analysis Click and Zoom Facility



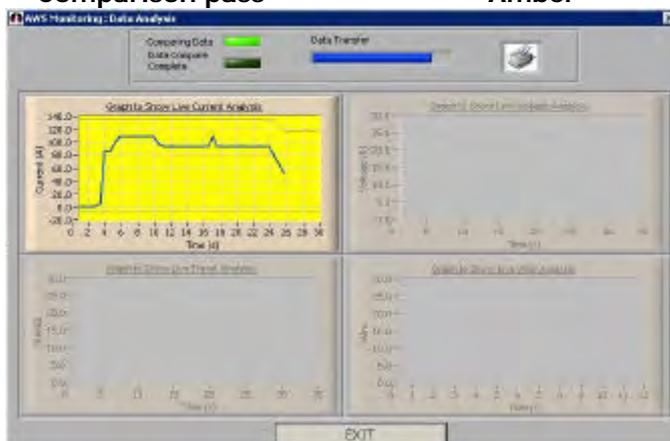
Comparison pass



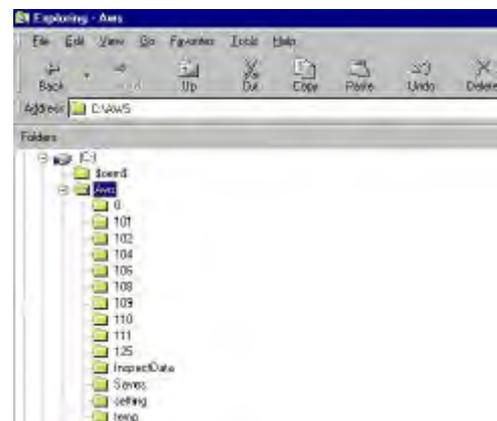
Amber



Red fail



Comparison Graph

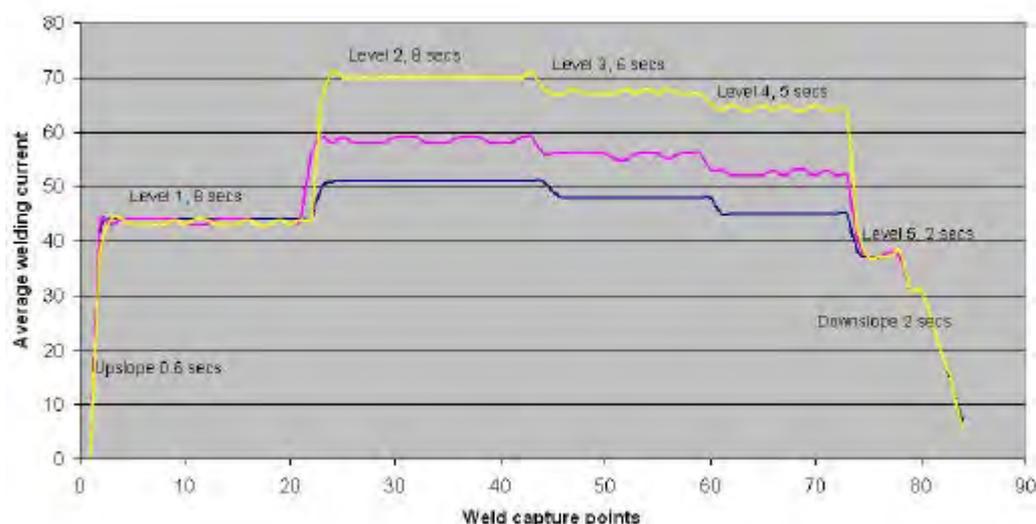


Data automatically saved into folders

The screen above shows live data that has gone out of amber limits shown by the corresponding graph screen changing to amber colour.

Welding Engineers Development Tool

The captured data can be easily analysed using various popular applications. The example shown is of three experimental welds, captured during weld qualification and analysed using MS Excel. In this case levels 2,3 & 4 were changed and the results sectioned in order to find the most appropriate welding conditions.



Optional Feature

The weld comparison mode can output to a computer control card and interface with the AWS150 to provide feedback loop control. If the captured real-time weld data does not mirror the master file within limits, then the control card can signal the AWS150 to stop.

So many features and benefits

Data for every weld carried out is automatically recorded, which builds into a complete history file, this simplifies the management of data.

Splash screen information can reduce engineering support in a production environment e.g. "Bad strike detected, please fit freshly ground electrode" or "low purge gas pressure detected, please check gas supply"

Helps to win or retain orders, by providing complete traceability, you know who did what, where and when. This gives your customers the feel-good factor and the management team confidence.

If the quality of the weld is of critical importance, AWS monitor will capture the weld process in real time, and produce a permanent record of each weld performed.



Fax: 01480 437479

E-mail: weld@weldlogic.co.uk

www.weldlogic.co.uk