



®

*"Your Single Source for Engineering,  
Process, Machine & Controls"*

AUTOMATED MANUFACTURING SYSTEMS

## Total Process Analyzer

*Simple real-time acquisition & analysis of complex weld process variables*

Total Process Analyzer (TPA) connects to any automated welding system to provide real-time evaluations and data logging for all welding parameters. TPA combines the in depth analysis of an oscilloscope with the ease of Windows-based software, and the accuracy of modern digital signal analysis. TPA is a "must have" package that is perfect for calibration, certification, and data logging often required by critical projects. TPA also calculates true RMS values for all parameters plus deposition rate and heat input.

### TPA Analyzes:

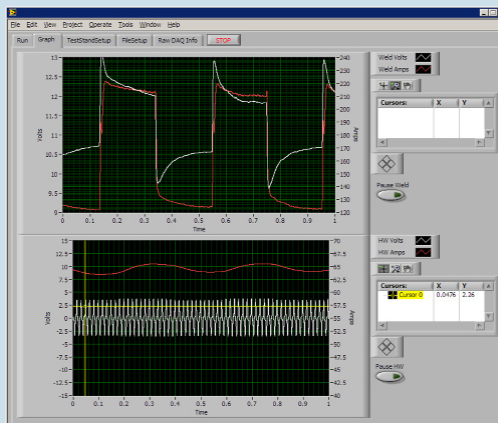
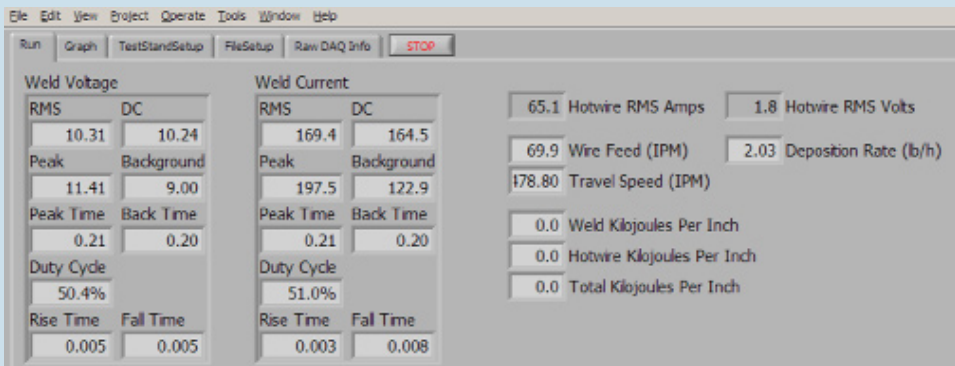
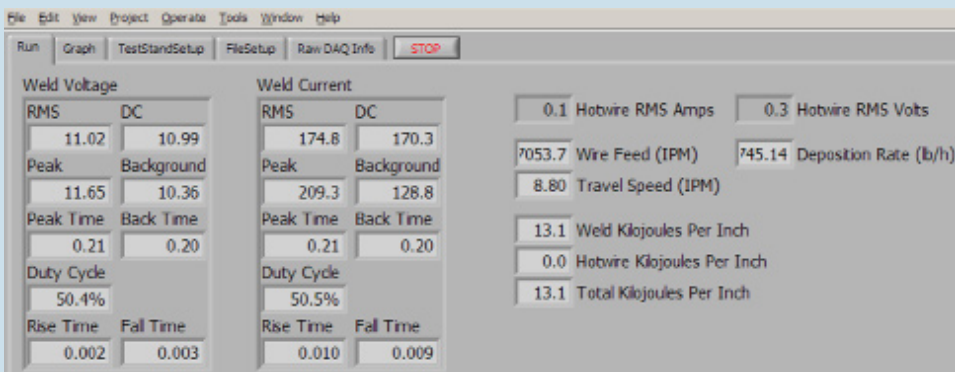
- Weld and Hotwire Amps: Peak & Background
- Weld and Hotwire Volts: Peak & Background
- Pulse Rise & Fall Times
- Pulse Duty Cycle
- Wire Feed Speed
- Travel Speed

### TPA Calculates:

- Weld Voltage & Current RMS
- Hotwire Amps & Volts RMS
- Deposition Rate
- Weld Kilojoules Per Inch
- Hotwire Kilojoules Per Inch
- Total Kilojoules Per Inch

### TPA Data Logs:

- All parameters stored in spreadsheet format
- Time based graph of Weld Volts, Weld Amps, HW Volts, and HW Amps



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