

COMPARISON SHEET

SOLUTION, SOLUTION, and ENTRON EN1000, EN6001

| | FEATURE | UNITROL SOLUTION; | UNITROL SOLUTION | ENTRON EN1000 | ENTRON EN6001 |
|---|---|---|---|--|--|
| 1 | SOFT TOUCH electrode safety system | Standard function, requires hardware package option | Standard function, requires hardware package option | Not available | Not available |
| 2 | AVC automatic voltage compensation to maintain output with large swings of input voltage and keep process constant | Standard , holds output to +/-1% with an input voltage swing of up to +/-10% | Standard , holds output to +/-1% with an input voltage swing of up to +/-10% | Not Available | Not Available |
| 3 | Type of Display | 80-alpha/numeric , vacuum fluorescent, full English words, no codes. Full sentence prompts and suggestions | 32-alpha/numeric , LED, full English words, no codes. | 4-digit , LED, no direct words. Codes for faults and information. No suggestions to correct faults. | 120-alpha/numeric. |
| 4 | Number of Welding Programs | 700 customer-entered. 99 RWMA schedules | 75 customer-entered No RWMA schedules | 50 customer-entered No RWMA schedules | 64 |
| 5 | Full RWMA welding schedule ability (SQUEEZE to TEMPER, and PULSATION) | Standard. Each program has all complete RWMA functions | Standard. Each program has all complete RWMA functions | Must use sequential programs | No. Only some RWMA functions. Must be chained together for complex sequences |
| 6 | Full RWMA welding programs, selectable by alloy and metal thickness | Standard. | Not available | Not available | Not available |
| 6 | Copy and move welding programs to another welder | Standard SC card. Can also load full operating system from downloaded file. | Not available | Not available | Not Available |

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| 7 | Heat Stepper for coated metal. Can also be used to stop welder for electrode change or maintenance | Standard, computerized curve. Does not require step-by-step data entry | Standard, computerized curve. Does not require step-by-step data entry | Not available | Standard |
| 8 | Respond to Questions | Press: YES or NO buttons | Press: 1=YES, 0=NO | Code entry | Code Entry |
| 9 | Weld or Part Counter | Standard | Standard | No. Separate component option | No. Separate component option |
| 10 | Batch Counter | Standard. Stops welder when selected batch has been completed. | Not available | Not available | Not Available |
| 11 | Keyboard Lock | Standard | Standard | Option | Option |
| 12 | Infrared Temperature Feedback, resistance brazing by temperature | Option | Option | Not available | Not Available |
| 13 | Method of data entry | Phone-type 17-button keypad direct entry | Phone-type 15-button keypad direct entry | Step up – Step down indirect programming | Step up – Step down indirect programming |
| 14 | Air pressure calculator, shows required air pressure (psi) for TIP FORCE that was entered in each program | Standard including calculation for ROCKER ARM welders | Standard | Not available | Not available |
| 15 | Electrode Force Measurement | Option, built into system, DIFFERENTIAL. Permits weld when TIP FORCE reaches selected level, then checks again at end of weld to be sure force did not go out of customer-selected range. Differential transducer standard. | Option, built into system, DIFFERENTIAL. Permits weld when TIP FORCE reaches selected level, then checks again at end of weld to be sure force did not go out of customer-selected range. Differential transducer standard. | Outside component option checks only at beginning of weld. Single side transducer normally offered; double-side transducer at very high cost. | Outside component option checks only at beginning of weld. Single side transducer normally offered; double-side transducer at very high cost. |

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| 16 | Water Saver driver, will operate customer's valve to turn water off after 1 minute (or other time) from last weld | Standard | Standard | Option | Option |
| 17 | System hardware design | One component with line-voltage transformer and terminals in one component. All wiring terminals plug out | One component with line-voltage transformer and terminals in one component. All wiring terminals plug out | Separate boards, transformer, terminals, etc. | Separate boards, transformer, terminals, etc. |
| 18 | Master Setup program to set all functions and settings | Standard with on-screen full directions, all functions | Standard, most functions, prog. 00 | Tabbed menus | Not available |
| 19 | Usable on 115V – 575V line | Standard, 1-wire select | Standard, 1-wire select | Must be ordered for voltage | Must be ordered for voltage |
| 20 | Warranty | 5-year limited, prorated | 5-year limited, prorated | 2-year limited on control, manufacturers' warranty on purchased components (circuit breaker, etc.) | 2-year limited on control, manufacturers' warranty on purchased components (circuit breaker, etc.) |