



Series T9150 WELD MONITOR

The Weld Monitor With the Features You Need!

The T9150 is simple but powerful welding monitor for any type of resistance welding machine from AC to DC. The T9150 has I/O to communicate with any automation requirements. A large 7-segment LED display will show weld results for the operator the T9150 Weld Monitor. This will help in keeping any resistance welding process in check or help maintenance to diagnose a problem.



Key Features

- Results can be printed as a wave form and/or numeric value
- Search and display the last 1000 welds
- 15 monitoring windows (selectable by weld schedules)
- Hi/lo limits for current and time
- Current range from 500Amps to 99.9kA



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Specifications

- Welder Type Measured:
 - * Single phase AC
 - * Single phase DC
 - * Three phase DC
 - * Three phase Low Frequency
 - * Capacitor Discharge
 - * Inverter
 - * Seam welders
 - * Pulsation welders
- Weld Current Detection Range (RMS and peak value)
 - * 5kA range: 0.5kA to 5.0kA
 - * 20kA range: 2.0kA to 20.0kA
 - * 100kA range: 9.9kA to 99.9kA
- Accuracy:
 - Single phase AC $\pm 2\%$
 - Others $\pm 5\%$
- Weld Time Detection
 - * 0 to 99 cycles (by $\frac{1}{2}$ cycle)
 - * Accuracy: cycles ± 0 cycles, ms $\pm 1\%$
- Conduction angle: 30° to 180°
 - Accuracy: $\pm 3\%$
- Standard Equipment:
 - * 10" Toroidal coil,
 - * 2 x 20 character Alpha-numeric Display
 - * Six large 7-Segment LED
 - * Thermal Printer
- Inputs
 - * Valve signal
 - * Monitor On/Off
 - * Binary Schedule Select
 - * Tip Voltage
 - * Current coil
- Outputs
 - * Weld start
 - * No Good
 - * Good
 - * Current waveform (O-scope)
 - * Tip voltage (O-scope)
- Dimensions: 12.4"H x 11.5"W x 6.8"L
- Weight: 13.2lbs

Specifications subject to change without notification.



Print-out Samples

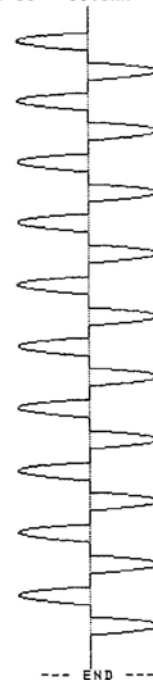
Summary Data Results

```
06:41:56
0122 01 10.1KA 10.0CY
0123 01 10.1KA 10.0CY
0124 01 10.1KA 10.0CY
```

Cycle by Cycle Data Results

```
06:42:06
0124 01 10.1KA 10.0CY
● 0.5CY 10.1KA 108°
● 1.0CY 10.2KA 110°
● 1.5CY 10.1KA 110°
● 2.0CY 10.2KA 108°
● 2.5CY 10.1KA 110°
● 3.0CY 10.1KA 110°
● 3.5CY 10.0KA 108°
● 4.0CY 10.2KA 108°
● 4.5CY 10.1KA 108°
● 5.0CY 10.2KA 110°
● 5.5CY 10.0KA 110°
● 6.0CY 10.2KA 108°
● 6.5CY 10.1KA 108°
● 7.0CY 10.1KA 108°
● 7.5CY 10.1KA 110°
● 8.0CY 10.2KA 108°
● 8.5CY 10.1KA 108°
● 9.0CY 10.1KA 108°
● 9.5CY 10.1KA 110°
● 10.0CY 10.2KA 110°
```

06:42:06
0124 01 10.1KA 10.0CY



Cycle by Cycle Waveform Results



Advanced Products Group

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