



## 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



# Series T9150 Weld Monitor

## 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  $\pm 0$  cycles, ms  $\pm 1\%$
- Conduction angle:  $30^\circ$  to  $180^\circ$ 
  - 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

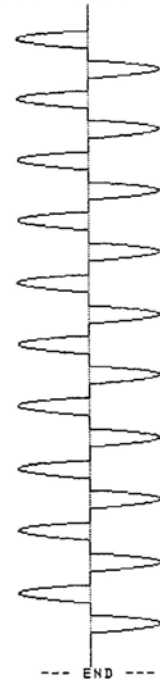
### Summary Data Results

```
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



**Alphatron Industries, Inc.**

Florida, USA

