Technitron 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

technitron
A Division of Welding Technology Corporation

Technitron 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 ± 2%
  Others ± 5%
- Weld Time Detection
  - * 0 to 99 cycles (by ½ cycle)
  - * Accuracy: cycles ± 0 cycles, ms ±1%
- Conduction angle: 30° to 180°
  Accuracy: ±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 11.5W" x 6.8"D
- Weight: 13.2lbs

Specifications subject to change without notification.

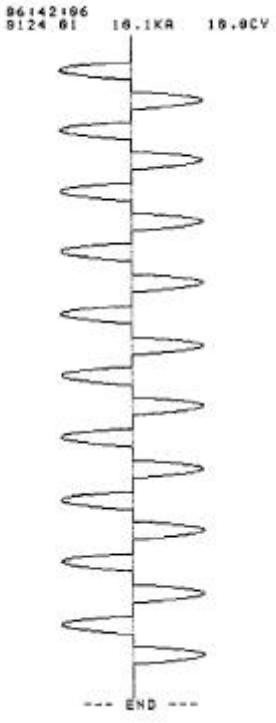
Print-out Samples

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°
```



Cycle by Cycle Waveform Results

710 Cahaba Valley Circle • Pelham, AL 35124 • Phone (205) 989-5700 • Fax (205) 989-5719
Sales@technitron-wtc.com • www.technitron-wtc.com

technitron
A Division of Welding Technology Corporation

Effective Date: March 2003
Data Sheet #: ML-00270 R1.0