



Technitron T9180

WS-80 Weldscope



The Weld Monitor With the Features You Want!

The T9180 Weldscope has combined the features of a conventional weld checker, with the curve generating characteristics of an oscilloscope. It is vital maintenance tool that accurately measures and monitors weld current and time. Measured results on this portable scope are shown on a bright, fluorescent display window, making information easily seen in any light.



Key Features

- Four display screens:
 - Numeric Display: Last weld current (peak and RMS), voltage, time, count, and conduction angle
 - Waveform Display: Last weld
 - History Display: Last 800 welds
 - System Display: Monitor setup
- Fluorescent display
- Results printed as a wave form and/or numeric value
- Search, display, and print the last 800 welds
- 15 monitoring windows (selectable by weld schedules)
- Hi/lo limits for current, time, and voltage

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Specifications

- Measured devices
 - Single phase AC
 - Single phase rectified
 - Three phase rectified
 - Three phase low frequency
 - Capacitor Discharge
 - Inverter
 - Seam welders ^(1*)
 - Pulsation welders
- Weld current detection (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 $\frac{1}{2}$ cyc)
 - Accuracy: cycles ± 0 cycles, ms $\pm 1\%$
- Voltage detection
 - 0.5 to 9.99V
 - Accuracy: $\pm 5\%$
- Conduction Angle
 - 30 to 180°
 - Accuracy: $\pm 3\%$
- Toroidal Coil
 - 10" split with 16ft cord
- 256 x 64 dot fluorescent display
- 432 dots/line 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)
- Communication RS-232C port
- Dimensions
 - 9.45"W x 11.44" x 7.00"
- Weight
 - 13.5lbs

Specifications subject to change without notification.

(1*) All data stored in history file of T9180, up to 99 cycles is displayed on numeric screen; all current values displayed or stored as average current.

Options

- Coils: 5" x 1, 10" x 5, 10" x 10



Effective Date: July 2002

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