



TS112 Railroad Tester



Multimeter for Railroad Servicing

Designed for today's railroad equipment, the flexible TS112 is also compatible with older technologies while offering features and functions unavailable on standard VOM's. Fewer jacks, more ranges and a comprehensive front panel guarantee the simplicity and the user-friendly structure of the TS112. The TS112 railroad tester measures parameters with greater accuracy: resistance with a Multi-Turn Ohms Adjust Control, Relay Contact On-Time without adjustment, Code Rate without counting pointer swings, On-Time with live signals as well as relay contacts, and automatic measurement of Peak Levels. Regulating the peak level is possible without constantly readjusting the Tester.

The following standard features are exclusive only to the TS112 Railroad Tester.

- Auto-polarity on all DC function. Red Negative Indicator LED
- Ohmmeter Voltage Mode detects foreign voltage of either polarity
- Power savings Sleep Feature prevents draining of batteries
- Measures Pulse Code Transmit and receives currents independently

Specifications

DC VOLTAGE

Ranges	Accuracy	Specifications
0.6VDC, 3VDC, 15VDC, 60VDC, 300VDC	$\pm 1.5\%$ of Full Scale	1000 ohms per volt

DC CURRENT

Ranges	Accuracy	Burden Volts
15mA, 60mA 300mA, 1.5A, 6A, 30A	$\pm 1.5\%$ of Full Scale	60mV

AC VOLTAGE

Ranges	Accuracy	Specifications
1.5VAC, 3VAC, 15VAC, 150VAC, 300VAC, 600VAC	$\pm 3\%$ of Full Scale	288 ohms per volt

AC CURRENT

Ranges	Accuracy	Burden Volts
1.5 ACA, 6 ACA, 30ACA	$\pm 1.5\%$ of Full Scale	60mV

OHMMETER

Ranges	Center Scale	Accuracy
Rx1	50 Ω	$\pm 2\%$ of Scale Length
Rx100	500 Ω	$\pm 2\%$ of Scale Length

Ordering Information

	Catalog No.	ACCESSORIES	Catalog No.	ACCESSORIES	Catalog No.
TS112 Railroad Tester	12112	Lead Set, Crocodile Reverse Banana Case, Black Padded Nylon	07540 00834	Case, Yellow Padded Nylon	00832



CODE MEASUREMENT SPECIFICATIONS

	Ranges	Accuracy
On Time:	0-100%	$\pm 3\%$ of Full Scale from 10% to 100%
Rate:	30 to 500cpm	$\pm 3\%$ of Scale Length

DRY CONTACT FUNCTIONS

	Ranges	Accuracy
On-Time Rate	0-100% 30-500 Cycles per minute	$\pm 2\%$ of Full Scale from 10% to 100%
Normal: Pointer follows contact closure	Open	Closed
	Zero $\pm 3.0\%$	Full Scale $\pm 0.5\%$
Peak Hold: Pointer will deflect to full scale and remain there with a 2.0 millisecond or longer contact closure		

PHYSICAL

Dimensions: 6.5" (H) x 5.0" (W) x 3.2" (D), (16.5 x 12.7 x 8.1cm)

Weight: 2.75 lbs. (1.24kg)

Moisture Resistance: 100%

Temperature: -40° to 85°

POWER REQUIREMENTS

Two 9-volt alkaline batteries

One 1.5 volt alkaline D-cell

Specifications subject to change without notice.