

TS113 Railroad Tester



Multimeter for Railroad Servicing

The Simpson TS-113 Volt-Ohm-Milliammeter Railroad Test Set is a rugged, reliable instrument that has been designed for use by trained and qualified technicians associated with the Railroad Signaling and Communications Field.

In construction and general principle, it follows closely the proven Simpson pattern based on experience of many years of successful multimeter manufacture.

The following standard features are exclusive only to the TS113 Railroad Tester

- AC current transformer facilitates minimal voltage drop
- On time measurement at any rate in excess of 30 pulses per minute
- An adjustable Pointer Stop for observation of peak reading stabilization
- A current-limiting diode prevents overload damage
- Includes black padded nylon Carrying Case and Test Lead Set

Ordering Information	
	Catalog Number
TS113 Railroad Tester	12113
Accessories	
Replacement Test Leads	07545
Replacement Carrying Case	00834

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Specifications

DC Voltage		
Ranges	Accuracy	Specifications
0.25V, 0.6V, 3V, 15V, 60V, 150V, 300V, 600V	± 2% of Full Scale	1,000 Ohms per volt

DC Current		
Ranges	Accuracy	Specifications
15mA, 60mA, 300mA, 1.5A, 6A, 30A	± 2% of Full Scale	250 mV

AC Voltage		
Ranges	Accuracy	Specifications
3V, 15V, 60V, 150V, 300V, 600V	± 3% of Full Scale	300 Ohms per volt

AC Current		
Ranges	Accuracy	Specifications
6A, 30A	±3% of Full Scale	250 mV

Resistance		
Ranges	Center Scale	Accuracy
Rx1	6Ω	± 5.0 of arc
Rx100	600Ω	± 2.5 of arc
Rx1000	6000Ω	± 2.5 of arc

Code Measurement Specifications		
	Ranges	Accuracy
On Time	0-100%	± 2% of Full Scale from 10% to 100%
Rate	30 to 500 cpm	

Physical	
Dimensions	7-1/8" (H) x 5-1/4" (W) x 3" (D), (133.4 x 181 x 76.2 mm)
Weight	2.5 lbs. (1.14 kg)
Moisture Resistance	85%
Temperature	0° - 50°C
Power Requirements	One 9-volt alkaline battery One 1.5 volt alkaline D-cell 2A Fuse, Littelfuse #AG 2A or equal 2A cartridge fuse (Littelfuse BLS 2 600V or Bussman BBS 2A)
Specifications subject to change without notice	