



# 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
- Percent 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



## 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

### OHMMETER

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 500cpm	

### 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

Two 9-volt batteries  
 One 1.5 volt 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.

## Ordering Information

	Catalog No.	ACCESSORIES	Catalog No.
TS113 Railroad Tester	12113	Replacement Test Leads	07545
		Replacement Carrying Case	00834