

2000 Series – Railroad Testers

Four models: Specialized testers for passenger and commercial rails

All Models Feature:

- Designed to perform standard maintenance tasks (using Volts, Ohms, and Amps measurements) as well as specialized tasks requiring measurements on railroad coding equipment
- Auto Polarity in DC functions
- Auto or Selectable DC Amps Polarity
- Direct measurement of Code Parameters
- Ohmmeter voltage mode detects foreign AC or DC Voltages
- Relay contact on time (Dry Contact) requires no adjustment
- Peak measurements require no adjustment
- Includes: test leads, padded water repellent carrying case, shoulder strap, and batteries
- Optional models complete with Certificate of Traceability to N.I.S.T.
- 1-year warranty

Models 2001,2002,2003 additional features:

- All models have a bypass switch to select “cab filter” or “no cab filter”
- Model 2000: Base unit with no Cab Filters
- Model 2001: Both 100Hz and 250Hz Cab Filters
- Model 2002: Both 100Hz and 200Hz Cab Filters
- Model 2003: Both 60Hz and 100Hz Cab Filters

Ordering Information:

2010	Model 2000 Railroad Test Set
2010-NIST	2010 Complete with Certificate of Traceability to N.I.S.T.
2011	Model 2001 Railroad Test Set
2011-NIST	2011 Complete with Certificate of Traceability to N.I.S.T.
2012	Model 2002 Railroad Test Set
2012-NIST	2012 Complete with Certificate of Traceability to N.I.S.T.
2013	Model 2003 Railroad Test Set
2013-NIST	2013 Complete with Certificate of Traceability to N.I.S.T.
79-767	Replacement Lead assembly, right angle
10-3967	Replacement Case for Railroad Testers



NIST
TRACEABLE
CALIBRATION
AVAILABLE



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Specifications

	Model 2000 (part # 2010)	Model 2001 (part # 2011)	Model 2002 (part # 2012)	Model 2003 (part # 2013)
DC Voltage	0.6V, 3V, 15V, 60V, 300V	0.6V, 3V, 15V, 60V, 300V	0.6V, 3V, 15V, 60V, 300V	0.6V, 3V, 15V, 60V, 300V
DCV Accuracy	±1.5% FS	±1.5% FS	±1.5% FS	±1.5% FS
DC Milliamps	16mA, 60mA, 300mA	16mA, 60mA, 300mA	16mA, 60mA, 300mA	16mA, 60mA, 300mA
DC mA Accuracy	±1.5% FS	±1.5% FS	±1.5% FS	±1.5% FS
DC Amps	1.5A, 6A, 30A	1.5A, 6A, 30A	1.5A, 6A, 30A	1.5A, 6A, 30A
DCA Accuracy	±1.5% FS	±1.5% FS	±1.5% FS	±1.5% FS
AC Voltage	1.5V, 3V, 15V, 150V, 300V, 600V	1.5V, 3V, 15V, 150V, 300V, 600V	1.5V, 3V, 15V, 150V, 300V, 600V	1.5V, 3V, 15V, 150V, 300V, 600V
ACV Accuracy	±3.0% FS	±3.0% FS	±3.0% FS	±3.0% FS
AC Amps	1.5A, 6A, 30A	1.5A, 6A, 30A	1.5A, 6A, 30A	1.5A, 6A, 30A
ACA Accuracy	±3.0% FS	±3.0% FS	±3.0% FS	±3.0% FS
Cab Filter Response (All AC ranges)	60Hz:— 100Hz:— 200Hz:— 250Hz:—	60Hz:— 100Hz: 92 to 100Hz 200Hz:— 250Hz: 245 to 255Hz	60Hz:— 100Hz: 92 to 100Hz 200Hz: 196 to 204Hz 250Hz:—	60Hz: 57 to 63Hz 100Hz: 92 to 100Hz 200Hz:— 250Hz:—
Code Functions (All AC and DC ranges)	On Time: 3% to 100% (±3% FS) Rate: 30 to 500CPM (±3% FS)	On Time: 3% to 100% (±3% FS) Rate: 30 to 500CPM (±3% FS)	On Time: 3% to 100% (±3% FS) Rate: 30 to 500CPM (±3% FS)	On Time: 3% to 100% (±3% FS) Rate: 30 to 500CPM (±3% FS)
Volt Sense Mode	15V AC or DC (±20%)	15V AC or DC (±20%)	15V AC or DC (±20%)	15V AC or DC (±20%)
Resistance	Range: R x 1 and R x 100 Center Scale: 5 and 500 ohms Accuracy: ±2% of scale length	Range: R x 1 and R x 100 Center Scale: 5 and 500 ohms Accuracy: ±2% of scale length	Range: R x 1 and R x 100 Center Scale: 5 and 500 ohms Accuracy: ±2% of scale length	Range: R x 1 and R x 100 Center Scale: 5 and 500 ohms Accuracy: ±2% of scale length
Dry Contact	Allowable Resistance: 0 to 100 ohms Test Voltage: 7.5 to 15VDC Test Current: less than 1mA	Allowable Resistance: 0 to 100 ohms Test Voltage: 7.5 to 15VDC Test Current: less than 1mA	Allowable Resistance: 0 to 100 ohms Test Voltage: 7.5 to 15VDC Test Current: less than 1mA	Allowable Resistance: 0 to 100 ohms Test Voltage: 7.5 to 15VDC Test Current: less than 1mA
Fuse 1	1A/250V 8AG – Bussman AGX1 or Littelfuse 361001	1A/250V 8AG – Bussman AGX1 or Littelfuse 361001	1A/250V 8AG – Bussman AGX1 or Littelfuse 361001	1A/250V 8AG – Bussman AGX1 or Littelfuse 361001
Fuse 2	10/A250V 3AB Normal Blow – Bussmann ABV10 or Littelfuse 314010	10/A250V 3AB Normal Blow – Bussmann ABV10 or Littelfuse 314010	10/A250V 3AB Normal Blow – Bussmann ABV10 or Littelfuse 314010	10/A250V 3AB Normal Blow – Bussmann ABV10 or Littelfuse 314010
Power	(2) 9V; (1) 1.5V D cell			
Dimensions	5 x 6.5 x 3.2" (127 x 165.1 x 81.3mm)	5 x 6.5 x 3.2" (127 x 165.1 x 81.3mm)	5 x 6.5 x 3.2" (127 x 165.1 x 81.3mm)	5 x 6.5 x 3.2" (127 x 165.1 x 81.3mm)
Weight	4.75 lbs (2.15kg) with case and leads	4.75 lbs (2.15kg) with case and leads	4.75 lbs (2.15kg) with case and leads	4.75 lbs (2.15kg) with case and leads