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



NIST TRACEABLE CALIBRATION AVAILABLE

Models 2011, 2012, 2013 additional features:

- All models have a bypass switch to select "cab filter" or "no cab filter"
- Model 2010: Base unit with no Cab Filters
- Model 2011: Both 100Hz and 250Hz Cab Filters
- Model 2012: Both 100Hz and 200Hz Cab Filters
- Model 2013: 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

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Specifications

	Model 2010	Model 2011	Model 2012	Model 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) Peak Hold: Ö Peak Follow: Ö	On Time: 3% to 100% (±3% FS) Rate: 30 to 500CPM (±3% FS) Peak Hold: Ö Peak Follow: Ö	On Time: 3% to 100% (±3% FS) Rate: 30 to 500CPM (±3% FS) Peak Hold: Ö Peak Follow: Ö	On Time: 3% to 100% (±3% FS) Rate: 30 to 500CPM (±3% FS) Peak Hold: Ö Peak Follow: Ö
Volt Senese 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