

The 2000 Series Railroad Testers from Triplet Test Equipment and Tools are sophisticated Test Sets designed to perform specialized measurement tasks on railroad coding equipment as well as standard maintenance tasks (Volt, Ohm and Amp measurements).



MODEL 2000

Railroad Test Set

- Base unit with no Cab Filters
- 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

The Model 2000 is the perfect test set when no Cab Filters are needed. This economical unit's standard features are not even available as options on competitive models!

- **Part Number:** 2010

MODEL 2002

Railroad Test Set

- 100Hz and 200Hz Cab Filters
- All Pass position bypasses Cab Filters

The Model 2002 includes all of the features of the Model 2000 with the addition of Cab Filters. The Model 2002 was designed for rapid transit / commuter type railroads using 100Hz and 200Hz coding systems.

- **Part Number:** 2012

MODEL 2001

Railroad Test Set

- 100Hz and 250Hz Cab Filters
- All Pass position bypasses Cab Filters

The Model 2001 includes all of the features of the Model 2000 with the addition of Cab Filters. The Model 2001 was designed for passenger railroads using 100Hz and 250Hz coding systems.

- **Part Number:** 2011

MODEL 2003

Railroad Test Set

- 60Hz and 100Hz Cab Filters
- All Pass position bypasses Cab Filters

The Model 2003 includes all of the features of the Model 2000 with the addition of Cab Filters. The Model 2003 was designed for railroads using 60Hz and 100Hz coding systems.

- **Part Number:** 2013

SPECIFICATIONS

DC Voltage

Ranges: 0.6, 3, 15, 60 and 300 VDC
Accuracy: $\pm 1.5\%$ of full scale
Sensitivity: 1000 Ohms per Volt

DC Milliamps

Ranges: 15, 60 and 300 mA DC
Accuracy: $\pm 1.5\%$ of full scale
Burden Volts: 60 mV nominal

DC Amps

Ranges: 1.5, 6 and 30 Amps DC
Accuracy: $\pm 1.5\%$ of full scale
Burden Volts: 60 mV nominal

AC VOLTAGE

Ranges: 1.5, 3, 15, 150, 300 and 600 VAC
Accuracy: $\pm 3.0\%$ of full scale
Sensitivity: 288 Ohms per Volt
Calibration: Average responding, RMS calibrated
Frequency Response: 25 Hz to 400 Hz

AC Amps

Ranges: 1.5, 6 and 30 Amps AC
Accuracy: $\pm 3.0\%$ of full scale
Burden Volts: 60 mV nominal
Calibration: Average responding, RMS calibrated
Frequency Response: 25 Hz to 400 Hz

Cab Filter Response (all AC Ranges)

60Hz Filter: 57 to 63Hz (2003)
100Hz Filter: 92 to 100Hz (2001, 2002, & 2003)
200 Hz Filter: 196 to 204 Hz (2002)
250Hz Filter: 245 to 255Hz (2001)
 All filters introduce an additional $\pm 1.5\%$ level error

Code Functions (all AC and DC Ranges)

On Time: **Range:** 3% to 100%
Accuracy: $\pm 3.0\%$ of full scale
Rate: **Range:** 30 to 500CPM
Accuracy: $\pm 3.0\%$ of scale length
Peak Hold: Captures and holds highest level peak
Peak Follow: Follows and Holds increasing and decreasing levels

Ohmmeter

Voltage Sense Mode

Range: 15 V AC or DC
Accuracy: $\pm 20\%$ Typical
Sensitivity: 1000 Ohms per Volt

Resistance Measurement Mode

Range: R x 1 and R x 100
Center Scale: 5 and 500 ohms
Accuracy: $\pm 2\%$ of scale length ± 0.5 ohms
Open Circuit Voltage: 1.0 to 1.8 VDC

Dry Contact

Allowable Contact Resistance: 0 to 100 ohms
Test Voltage: 7.5 to 15 VDC
Test Current: Less than 1mA
On Time: **Range:** 3 to 100 %
Accuracy: $\pm 2\%$ of full scale
Rate: **Range:** 30 to 500 cycles per minute
Accuracy: $\pm 3\%$ of scale length
Peak Hold: Pointer will deflect to full scale and remain there with a 2.0 millisecond or longer contact closure

Power Requirements

Batteries: Two, 9 volt alkaline (NEDA 1604)
 One, 1.5 volt alkaline D cell (NEDA 13F)
Battery Life: 320 hours Typical, 2000 hours in Sleep Mode

Meter Movement

Electrical: 100 μ A $\pm 1\%$ at full scale
Construction: Taut band, shock mounted, mirrored scale

Physical Specifications

Size: 5.0" wide x 6.5" high x 3.2" deep
Weight: Approx. 2.75 lbs; Approx. 4.75 lbs. w/ case and leads
Operating Temperature Range: -40F to 185F

Included Items

- Test Set
- Test Leads
- Padded Water Repellent Case
- Shoulder Strap
- Batteries
- Manual

