Model 2000

The Model 2000 is the perfect test set when no Cab Filters are needed.

- Base unit with no Cab Filters
- Upgradable to a 2001, 2002 or 2003
- Auto Polarity in DC functions
- Selectable DC Amps Polarity
- Direct measurement of Code Parameters
- Relay Contact On Time (Dry Contact) requires no adjustment
- Ohmmeter Voltage Mode detects either polarity voltage including AC
- Field replaceable protective window

Cat. No. 2010: Model 2000

Model 2001

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.

- 100Hz and 250Hz Cab Filters
- All Pass position - bypasses Cab Filters
- Auto Polarity in DC functions
- Selectable DC Amps Polarity
- Direct measurement of Code Parameters
- Relay Contact On Time (Dry Contact) requires no adjustment
- Ohmmeter Voltage Mode detects either polarity voltage including AC
- Field replaceable protective window

Cat. No. 2011: Model 2001

Model 2002

The Model 2002 also 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.

- 100Hz and 200Hz Cab Filters
- All Pass position - bypasses Cab Filters
- Auto Polarity in DC functions
- Selectable DC Amps Polarity
- Direct measurement of Code Parameters
- Relay Contact On Time (Dry Contact) requires no adjustment
- Ohmmeter Voltage Mode detects either polarity voltage including AC
- Field replaceable protective window

Cat. No. 2012: Model 2002

Model 2003

The Model 2003 also 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.

- 60Hz and 100Hz Cab Filters
- All Pass position - bypasses Cab Filters
- Auto Polarity in DC functions
- Selectable DC Amps Polarity
- Direct measurement of Code Parameters
- Relay Contact On Time (Dry Contact) requires no adjustment
- Ohmmeter Voltage Mode detects either polarity voltage including AC
- Field replaceable protective window

Cat. No. 2013: Model 2003

2000 Series Specifications

DC Voltage
Ranges: *0.6, 3, 15, 60, and 300 VDC*
Accuracy: *±1.5% of full scale*
Sensitivity: *1000 ohms per volt*

AC Voltage
Ranges: *1.5, 3, 15, 150, 300, and 600 VAC*
Accuracy: *±3.0% of full scale*
Sensitivity: *288 ohms per volt*
Calibration: *Average responding, RMS calibrated*
Frequency Response: *25 Hz to 400 Hz*

DC MilliAmps
Ranges: *15, 60, and 300 mA DC*
Accuracy: *±1.5% of full scale*
Burden Volts: *60 mV nominal*

DC Amps
Ranges: *1.5, 6, and 30 Amps DC*
Accuracy: *±1.5% of full scale*
Burden Volts: *60 mV nominal*

AC Amps
Ranges: *1.5, 6, and 30 Amps AC*
Accuracy: *±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)
60 Hz Filter: *57 to 63 Hz (2003)*
100 Hz Filter: *92 to 100 Hz (2001, 2002 & 2003)*
200 Hz Filter: *196 to 204 Hz (2002)*
250 Hz Filter: *245 to 255 Hz (2001)*
All filters introduce an additional ±1.5% level error

Code Functions (all AC and DC Ranges)
On Time: ***Range:*** *3% to 100%*
Accuracy: *±3.0% of full scale*
Rate: ***Range:*** *30 to 500cpm*
Accuracy: *±3.0% of scale length*
Peak Hold: *Captures and holds highest level peak*
Peak Follow: *Displays all peaks > 25% of previous peaks*

Ohmmeter
Voltage Sense Mode:
Range: *15 V AC or DC*
Accuracy: *±20% Typical*
Sensitivity: *1000 ohms per volt*

Resistance Measurement Mode:
Ranges: *R x 1 and R x 100*
Center Scale: *5 and 500 ohms*
Accuracy: *±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: *830 μA max*
On Time: ***Range:*** *0 to 100 %*
Accuracy: *±2% of full scale*
Rate: ***Range:*** *30 to 500 cycles per minute*
Accuracy: *±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
(can be disabled via jumper in the field)

Meter Movement
Electrical: *100μA ±1% at full scale*
Construction: *Taut band, shock mounted, 100 degree deflection, critically damped, Mirrored Scale, Bar-ring magnet*

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: *-40° C to +85° C*

Included Accessories
Yellow Padded Carrying Case, Shoulder Strap, Right Angle Safety Test Leads, Batteries, Spare Fuse, Instruction Manual, Calibration Certificate & Sticker

Warranty
One Year on Construction & Calibration