

Riser Bond Model 6000



Five Tests. One Connection.

By combining diagnostic and fault location capabilities in one instrument, the Model 6000 offers:

- Multi-Meter DC volts, AC volts, Foreign Battery, and Resistance.
- Insulation Resistance.
- Pair Quality Tests – Loop Current, Noise Metallic, Power Influence, and Logitudinal balance.
- Resistance Fault Locator (RFL) Offers Three Different Test Modes: 3-Wire, 4-Wire, and Kupfmuller.
- Time Domain Reflectometer (TDR) Measures Through Loaded And Non-loaded Cable.

Optional TX 905 Remote Far-End Device, providing:

- One-man-out capability.
- Far-end strap (opens, shorts, connect service).
- Tracing tone and probe.
- Immune to DTMF interference.
- Complete with carrying case.

Compare... More Tests, More



Power: On/Off.



Backlight: Great for low light situations.



Contrast: Adjusts for clearer viewing.



Help: One key gets your technicians the help they need.



Auto Test: One key runs a battery of instrument testing and diagnostics.



End/Back: Stops test or returns to a previous screen.



Status Bar: Displays configuration and conditional information such as battery level, cable type, progress bar, and voltage source.



The productivity of your technicians relates directly to the satisfaction of your customers — that's the philosophy behind the Model 6000 from Riser Bond. With its 5-in-1 — Multi-Meter, Insulation Resistance Tester, Pair Balance and Noise Measurements, Resistance Fault Locator and Riser Bond TDR testing capabilities, one connection lets your technicians quickly diagnose most any problem on a voice or high-speed telephone data cable. Its basic functionality makes the Model 6000 easy-to-learn; its compact size makes it even easier to use.

While five tests with one instrument is impressive, we know you demand more and the Model 6000 delivers. Selected test capabilities can be integrated — viewing RFL and TDR on-screen simultaneously allows the technician an additional means of verifying the location of the fault. All on-screen tests are displayed using a logical “left to right” approach (with on-screen instructions) that reduces training time while increasing ease-of-use. Its compact size, carrying

More Features, Better Service.



Softkey Menu: Allows your technicians to select testing menu items and move easily between screens.

case and lighter weight allow for the easy transport of one instrument into remote locations or small spaces.

Display: Larger than industry standard, the Model 6000's screen uses a SUPER-TWIST LCD to display test results, softkey menu, instrument setting, and status. Visual representation of each test being performed aids the technician in the interpretation of results. SUPER-STORE waveform data storage stores both on-screen and off-screen information, which can be quickly downloaded and printed.

For over 20 years, Riser Bond has specialized in providing the most accurate, highest quality testing equipment in the marketplace. The equipment is supported by the industry's best customer service. Should your instrument need repair, Riser Bond will maximize turn-around time to minimize down time. Call today and see for yourself why Riser Bond is the industry leader.



Zoom In/Out: Get the big picture or isolate a problem with one touch of a button.



Waveform Position: Moves waveform(s) for easy viewing.



V Gain: Increases or decreases vertical waveform/gain.



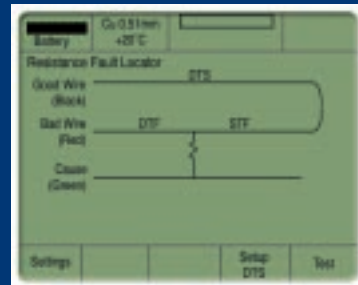
Mode: Moves quickly between waveform modes.



Range: Adjusts range for pinpoint accuracy.



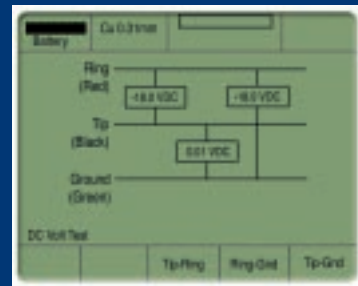
Cursors: Easily moves cursor along waveform.



There are 3 possible RFL test modes.



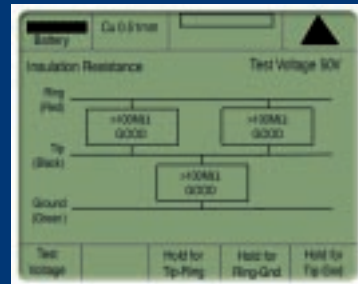
Noise metallic is one of the pair quality tests available.



The DC volts test is performed with the Multi-Meter function.



TDR operation.



The Insulation Resistance screen at 50 volts.

General Specifications

Physical (no case or accessories):

Height6.30 in.....160 mm
 Width9.45 in.....240 mm
 Depth2.36 in.....60 mm
 Weight3 lbs.....1.3 kg

Physical (case and accessories)

Height7.80 in.....198 mm
 Width11.0 in.....279 mm
 Depth6.5 in.....165 mm
 Weight6 lbs.....2.6 kg

Environmental

Operating Temp0° C to 50° C32° F to 122° F
 Storage Temp-20° C to 60° C-4° F to 140° F
 Humidity95% max. relative, non-condensing
 VibrationIEC 68-2-6
 Shock (Bump)IEC 68-2-29
 DropIEC 68-2-27
 Moisture RatingIP 54

Power

Internal Rechargeable, 7.2V nickel metal hydride battery pack
 External12 VAC or VDC, 1250mA power supply
 Operating Time>6 hours without backlight
 Display320 X 240 dot-matrix liquid crystal display with CCFL backlighting

Time Domain Reflectometer (loaded and non-loaded cable)

Horizontal Resolution

<2000 ft<0.25 ft at 99.0% VOP, <0.07 ft at 30.0%
 <0.07 m at 99.0% VOP, <0.02 m at 30.0%
 >2000 ft1 foot at any VOP
 0.1 meter at any VOP

Vertical Resolution14 bits with 137 dots displayed

Vertical Sensitivity>65dB

Output Signal2ns, 25ns, 100ns, 500ns, 1.5ms, 4.4ms
 and 330µs

Output BalanceVariable from 80Ω to 120Ω

Distance Accuracy±0.5 ft plus ±0.01% of reading

.....±0.15 m plus ±0.01% of reading

Maximum Range

Live Waveform63,700 ft (19,400 m) at 99.0% VOP

.....38,600 ft (11,700 m) at 60.0% VOP

Range varies with VOP. Maximum testable cable length varies with pulse width and cable type.

Input Protection400 VAC or VDC up to 60 Hertz

Velocity of Propagation *Two user-selectable display formats.*

VOP (%) ranging from 30.0% to 99.0%

Loaded CableVOP (%) ranging from 0.8% to 20.0%

V/2 ranging from 45.0 to 148.4m/µs or 147.5 to 486.9 ft/µs

Loaded CableV/2 ranging from 1.2 to 30.0 m/µs or

3.9 to 98.4 ft/µs

Waveform Storage

Standard8 SUPER-STORE waveforms at 6144 samples each

Optional32 SUPER-STORE waveforms at 6144 samples each

Software Noise Filters

Standard8x, 50/60 Hz

Optional4x, 8x, 16x, 32x, 64x, 128x, 50/60Hz

Resistance Fault Locator

Location Range0 to 100 kft

Resistance Fault Range0 to 50MΩ

Accuracy

3-Wire Test±0.25% of DTS ±0.4ohms

4-Wire Test±0.25% of DTS ±0.25ohms

Kupfmuller Test±1.0% of DTS ±1 ohm

Noise/Balance Measurements

Longitudinal Balance40 to 62 dB

Frequency1004 Hz

Resolution1 dB

Accuracy±2 dB

Noise Metallic0 to 50 dBBrnC

Transverse Noise-90 to -40 dBmp

Resolution1 dB

Accuracy±2 dB

Power Influence40 to 100 dBBrnC

Longitudinal Noise-50 to 10 dBmp

Resolution1 dB

Accuracy±2 dB

Multi-Meter

DC Voltage0 to 400V

Resolution0.1V

Accuracy1% ±0.1V

AC Voltage0 to 400V

Resolution0.1V

Accuracy2% ±0.1V

Foreign Battery2 to 400V

Resolution0.1V

Accuracy1% ±0.1V

Resistance

0 to 2 kΩ

Resolution0.1Ω

Accuracy0.2%±0.2Ω

2kΩ to 10kΩ

Resolution1Ω

Accuracy0.2%±1Ω

Insulation Resistance

0.00MΩ to 100MΩ

Resolution0.01MΩ

Accuracy±1%

Loop Current0 to 120mA

Resolution0.1mA

Accuracy5% ±0.2mA

Standard Accessories

Operator's Manual, 12VDC charger, nylon carry/accessory bag, shoulder strap, 2 sets telephone connection leads plus ground lead, pair shorting strap, and VOP card.

Options

Additional waveform memory. Waveform sample package. Additional waveform filtering. TX 905 Remote Far-End Device.



Riser Bond

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