HIGH VOLTAGE INSULATION TESTERS

10000V

KEW 3123A

	3123A	
Test voltage	5000V	10000V
Measuring ranges (automatic change)	5GΩ/200GΩ (autoranging)	10GΩ/400GΩ (autoranging)
First effective measuring ranges	0.2 - 100GΩ	0.4 - 200GΩ
Accuracy	±5% rdg	
Other ranges accuracy	±10% rdg or 0.5% of scale length	
Power source	R6(AA)(1.5V) × 8	
Dimensions	200(L) × 140(W) × 80(D)mm	
Weight	1kg approx.	
Accessories	7165A(Line probe)(3m), 7224A(Earth cord)(1.5m), 7225A(Guard cord)(1.5m), 8019(Hook type prod), 9158(Carrying case [Hard]), R6(AA) × 8, Instruction manual	
Optional	7253(Longer line probe with alligator clip)(15m), 7168A(Line probe with alligator clip)(3m), 8324(Adaptor for recorder)	

- Rugged design with a hard carrying case for field use.
- Detachable High Voltage Line probe.
- Automatic ranges, high and low scales, indicated by different LEDs.
- Drip proof.
- Auto-discharge function.

Accessories

MODEL 7165A
line probe 3,000mm

MODEL 7224A
Earth cord 1,500mm

MODEL 7225A
Guard cord 1,500mm

MODEL 8019
Hook type prod

MODEL 9158
Carrying case [Hard]

Optional Accessories

MODEL 7168A
Line probe
with alligator clip:3m

MODEL 7253
Longer line probe
with alligator clip:15m

MODEL 8324
Adaptor for recorder
(Output 10mV/1μA)
Cable length:
200mm connector side
1100mm alligator clip side

Use of Guard Terminal

Illustrated in this Fig. is an example of the insulation resistance measurement of an electric wire. If the line probe is simply connected to the wire conductor and the earth lead to the immersion liquid container as shown, a measure ment error will be introduced as this results in the measurement of the com-bined resistance of insulation resistance and the surface leakage resistance at the cut end of the electric wire. In order to remove this surface leakage current, wind a guard wire around the cut end of the conductor and connect it to the guard terminal of the instrument using the guard lead. Then, the surface leakage current will bypass the indicating meter of the insulation resistance tester.