

## Product Data Sheet

Manufacturer : Robin

Model : KTS 1630

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**The KTS1630 is Robin's Flag ship 10 in 1 Digital multifunction tester for the testing of electrical installations to the requirements of BS 7671.**

The **KTS1630** provides 10 primary test functions all in a compact, light, and portable design.

Test functions include

- Loop Impedance tester
- RCD Tester
- PSC Tester
- Earth Resistance Tester
- Mains Frequency Measurement
- Continuity Tester
- Insulation Tester
- Fault Current Tester
- Phase Rotation Tester
- Mains Voltage measurement

Included with the **KTS 1630** as standard are Earth Resistance Spikes, SLP5 Earth Probe, SL20 Snap-Lok Test Leads, SL16E distribution board test leads, BS 1363 moulded plug lead, carrying case, Batteries, Instruction Manual, Quick Cert software & Certificate of Conformity.

The **KTS 1630** has an advanced data storage system that allows the user to select a site reference number from 1 to 999, a distribution board reference number and a distribution way number therefore allowing the unique identification of each item and the easy retrieval of its test data. Further more the user can tag Insulation & continuity measurements as phase specific.

Data can be downloaded from one of the **KTS 1630** 999 memory locations by use of an Infrared port at the side of the instrument. This data can then be transferred to PC or Printer using the **optional IrDa Port**.

Once the data has been transferred to PC the information can then be displayed in **Quick Cert**.

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## **KEY FEATURES**

### **Continuity & Insulation Test Function**

- **Visual Live Circuit warning lamp.**
- **Continuity Null function.** Enables the removal of test lead resistances.
- **Auto discharge.** Allows fast & safe electrical discharge of capacitance circuits following testing.
- **Integral Overload protection.** Protection on internal continuity & insulation circuitry.
- **250, 500V & 1000V DC Insulation test function voltages.**
- **Polarity switch.** Allows switching of polarity during Insulation & continuity testing.

### **LOOP Impedance Test Functions**

- **Visual correct wiring warning lamp.**
- **Integral Overheat protection.** Protection on internal circuitry against over heating.
- **Supply voltage indication.**
- **Low current Loop Impedance Test.**
- **Auto Data hold.**
- **Auto Power Off.**

### **RCD Test Functions**

- **Auto Data hold.**
- **Phase angle selection.** Selection of test current from +ve & -ve half cycle waveform.
- **x<sup>1/2</sup>, x1 & x5 RCD current multiplier's.**
- **DC Test.** Allows the testing of RCD's which are sensitive to DC fault currents.
- **RCD tests at 110V.**
- **19 Possible test RCD trip current settings.**

### **Fault Current Functions**

- **Phase to Earth prospective short circuit current test.**

### **Phase Rotation**

- **2 Phase rotation indication with internal overload protection.**

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<b>FUNCTION</b>	<b>RANGE</b>	<b>ACCURACY</b>
<b>Continuity Resistance</b>	0 to 19.99 ohm	±(1.5% ind + 3 digits)
	10.0 to 199.9 ohm	±(1.5% ind + 3 digits)
	100 to 2000 ohm	±(2.5% ind + 3 digits)
<b>Insulation Resistance</b> <b>(250, 500, 1000V DC)</b>	0 to 100 Mohm	±(2% ind + 2 digits)
	100 to 2000 Mohm	±(2% ind + 4 digits)
<b>Loop Impedance</b>	20.00 ohm ( Nominal 25 A current)	±(2% ind + 2 digits)
	200.0 ohm ( Nominal 1.2 A current)	
	2000 ohm (Nominal 1.2 A Current)	
<b>RCD Testing</b>	x½ :- 5, 15, 50, 150, 250, 500mA	±(2% ind + 3 digits) trip time
	x1 :- 10, 30, 100, 300, 500, 1000 mA	
	x5 :- 50, 150, 500 mA	
<b>Earth Resistance</b>	0 to 19.99 ohm	±(2% ind + 5 digits)
<b>O/P voltage 100V P-P @ 800Hz</b>	10.0 to 199.9 ohm	
	100 to 2000 ohm	

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