

KT71 PAT Tester with Auto Test Sequence

PRODUCT DATA SHEET

KT71

PAT TESTER WITH AUTO TEST SEQUENCES

- Performs Earth bond at 200mA for IT appliances and high current 20A for all other appliances
- 250V / 500V insulation test voltages
- Run / leakage at 230V
- Single rotary dial position initiates test sequence
- Class I IT 200mA Earth Bond
- Class I 20A Earth Bond
- Class II
- Memory for test lead resistance compensation
- Extension lead test – including polarity
- LED indication of pass / fail as well as a result display
- Automatic check if appliance is switched on or not
- Test 110V appliances for earth bond and insulation (with appropriate test adaptor).
- Tests in accordance with the IEE Code of Practice

ACCESSORIES

- Mains Leads
- Earth lead
- Instruction Manual
- Certificate of Conformity

OPTIONAL

- Pass & Fail labels
- PATLOG1 PAT testing record log book
- Calibration Certificate



SPECIFICATIONS

MEASUREMENT OF PROTECTIVE CONDUCTOR RESISTANCE - R_{PE}

Test Function	IT 200mA continuity test	20A continuity test
Measuring range	0 ~ 15.00 Ω	
Resolution	10mΩ	
Open-circuit voltage	4 ~ 24V	
Measuring current	200mA DC (nominal)	20A AC (nominal)
Accuracy	± (3%rdg+5dgt)	

MEASUREMENT OF INSULATION RESISTANCE - R_{INS}

Rating	250V / 20MΩ and 500V / 20MΩ	
Measuring range	0.1~19.99M Ω	
Resolution	10kΩ	
Rated voltage	250V/500V DC(-0%/+30%) @250k Ω/500kΩ	
Short-circuit current	2.5mA DC or less	
Accuracy	± (2%rdg+3dgt)	

LEAKAGE CURRENT TEST (WITH LOAD TEST) - LEAK

Test function	Load current test	Leakage current test
Measuring range	AC0.1~13.00Arms	AC0.1~ 19.99mArms
Resolution	0.01A	0.01mA
Accuracy	±(10%rdg ± 5dgt)	±(3%rdg ± 5dgt)
Examination time	Max 5 seconds	Max 10 seconds

THRESHOLD AND DISPLAY

Function	Protective conductor resistance	Insulation resistance	Leakage current	Polarity
Extension Lead	RPE < 0.1 Ω	RINS > 1M Ω		Cont < 10 Ω
Class I IT200mA	RPE < 0.1 Ω	RINS > 1M Ω	LEAK < 3.5mA	
Class I 20A	RPE < 0.1 Ω	RINS > 1M Ω	LEAK < 3.5mA	
Class II		RINS > 2M Ω	LEAK < 0.25mA	
Leakage Current			LEAK < 0.75mA	
Measurement Type	Averaging readings			