



# KT74 : Specification

## Earth Bond

Open circuit voltage	8V rms nom
Current into 0.10 ohms	25A or 10A
Displayed values	0.00 to 1.99Ω, >2Ω
Accuracy	5%rdg±2 digits, >1Ω 10% ±2 digits
Pass/Fail thresholds	0.1 to 0.9Ω (0.1Ω steps), 2Ω
Test time	5s

## Earth Bond – IT Equipment

Open circuit voltage	100mV nom
Current into short circuit	100mA
Displayed values	0.00 to 1.99Ω, >2 Ω
Accuracy	5% rdg ±2 digits, 1 Ω 10% ±2 digits
Pass/fail thresholds	0.1 to 0.9 Ω (0.1 Ω steps), 2 Ω
Test time	5s



## Lead/Fuse Continuity

Open circuit voltage	8V rms nom.
Displayed values	PASS/FAIL
Pass/fail threshold	39kΩ approx
Test time	5s

## Load/Leakage Tests – Pre-test

Open circuit voltage	8V rms nom.
Pass/fail thresholds	230V: 8kVa P-N; 110V: 3.6kVA P-N

## PN-E Insulation

Test voltage into 0.5MΩ	250V or 500V sc (into 0.5MΩ load)
Displayed values	0.1 to 19.9 MΩ, >20MΩ
Accuracy	500V-5% rdg±2 digits, >10MΩ 10%±2 digits
Pass/fail thresholds	0.2, 0.5, 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, MΩ
Test time	2s to 60s programmable, 10s default

## Run/Leakage

Pass/fail thresholds (load)	0.5, 1.0, 1.5, 1.8, 2.0, 2.5, 3.2, 4.0 kVA
Displayed values	0.1 to 3.9kVA, >4kVA
Accuracy	5% rdg ± 2 digits
Pass/fail thresholds (leak)	0.3,0.8,1.0,2.0,3.0,90 mA
Displayed values	0.1 to 9.9mA, >10mA
Accuracy	5% rdg ± 2 digits
Test time	2s to 60s programmable, 10s default

## USB

Download to USB memory devices. Data held as text file.

## I/O Port Speed

Data download speed	9600bps
Printer serial port speed	1200bps

## Communication Lead Configuration – PAT to serial printer

PAT (9 pin)	Printer (25 pin)
2	20
3	3
5	7

## Communication Lead Configuration – PAT to serial printer (25pin D connector)

PAT (9 pin)	Computer (25 pin)
2	6,5,20
3	3
5	7

## Communication Lead Configuration – PAT to serial printer (9pin D connector)

PAT (9 pin)	Computer (9 pin)
2	8,6,4
3	2
5	5