



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

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

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

Load/Leakage Tests – Pre-test

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

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

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