

Product Data Sheet

Manufacturer : Robin

Model : SmartPAT 5000

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Introducing Robins SmartPAT 5000 Portable Appliance Tester.

The Robin **SmartPAT 5000** is a cost effective Dual Voltage Portable Appliance Tester (PAT) with manual or pre-programmed test codes.

The Robin **SmartPAT 5000** enables the user to test both 110V & 240V appliances, along with IEC leads. 110V operation is only available when powered from 110V mains supply, using the optional adaptor **AD110V**.

Portable Appliance Test data can be printed to the optional serial thermal printer using the integral RS232 communications port OR downloaded to PC using Robins **PATest 5000** DOS based management software package.

Other features include the use of Barcode reading **Smart wands & Wide head barcode readers**.

For a full list of functions, see later in this data sheet.

Optional Extras:-

- **EL100** Extension Lead Tester adaptor.
Allows the testing of both Insulation & earth bond tests on extension leads
- **AD110V** Enables the **SmartPAT 5000** to be powered from 110V therefore enabling the testing of 110V appliances.
- **SP1000** A mini rechargeable battery powered thermal printer that can fit into the Robin **SmartPAT 5000** lid.
- **AP1000 / AP2000** Barcode appliance number labels.
- **PASS 250 Labels.** Appliance "PASS" test labels for fixing around flexible cords. Quantity 250.
- **PASS 500 Labels.** Self adhesive appliance "PASS" test labels. Quantity 500.
- **FAIL 100 Labels.** Self adhesive appliance "FAIL" test labels. Quantity 100.

The Robin **SmartPAT 5000** enables the user to test portable appliances found in the modern office using a 100 mA earth bond test function.



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Robin SmartPAT Tester Comparison Chart

	SmartPAT 5500	SmartPAT 3500	SmartPAT 5000	SmartPAT 3000
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EARTH BOND

O/C volts	3V rms	3V rms	7.5V rms	7.5V rms
Current into 0.1 Ω	5A, 8A, 26A	5A, 8A, 26A	26A, 8A	26A, 8A
Displayed values	0.00-19.99 ohms	0.00-19.99 ohms	0.00-1.99 ohms, >2 ohms	0.00-1.99 ohms, >2 ohms
Accuracy	\pm (3% + 4 dgt)	\pm (3% + 4 dgt)	\pm (10% + 2 dgt)	\pm (10% + 2 dgt)
Test time	5/10/15/60s	5/60s	5s	5s

EARTH BOND (BUSINESS EQUIPMENT)

O/C volts	3V rms	3V rms	100mV	100mV
Current into s/c	100mA	100mA	100mA	100mA
Displayed values	0.00-19.99 ohms	0.00-19.99 ohms	0.00 -1.99 ohms, >2 ohms	0.00-1.99 ohms, >2 ohms
Accuracy	\pm (3%+4dgt)	\pm (3%+4dgt)	\pm (10% + 2 dgt)	\pm (10% + 2 dgt)
Test time	5/10/15/60s	5/60s	5s	5s

PN-E INSULATION

Test volts	560V DC	560V DC	500V DC	500V DC
Displayed values	0.1- 99.9 Mohms and 1-299 Mohms	0.1-19.9 Mohms and 1-299 Mohms	0.1-19.9 Mohms and >20 Mohms	0.1-19.9 Mohms and >20 Mohms
Accuracy	\pm (5% + 4 dgt)	\pm (5% + 4 dgt)	\pm (5% + 2 dgt)	\pm (5% + 2 dgt)
Test time	5/10/15/60s	5/60s	5s	5s

RUN/LEAKAGE

Displayed values	0.1 kVA - 3.99 kVA	n/a	0.1 kVA - 3.99 kVA, >4kVA	n/a
Accuracy	\pm (5% + 4 dgt)	n/a	\pm (5% + 2 dgt)	n/a
Displayed values	0.1 mA - 9.9mA	n/a	0.1 mA - 9.9mA, >10 mA	n/a
Accuracy	\pm (5% + 4 dgt)	n/a	\pm (10% + 2 dgt)	n/a
Test time	5/10/15/60s	n/a	10s	n/a

FLASH TEST

O/C volts	1500V rms (class I) 3000V rms (class II)	n/a	1500V rms (class I) 3000V rms (class II)	n/a
Current into s/c	5mA	n/a	3mA	n/a
Displayed values	0.1 mA - 4.99mA	n/a	0.1 -2.9mA, >3mA	n/a
Accuracy	\pm (5% + 2 dgt)	n/a	\pm (5% + 2 dgt)	n/a
Test time	5/10/15/60s	n/a	10s	n/a

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