

SMARTPAT

World's first Wi-Fi controlled PAT Tester



PRODUCT DATA SHEET

SMARTPAT

- Battery operated
- Remote connectivity
- Automatic test sequences
- Customisable auto tests with the KEWPAT APP
- Appliance status pre-check
- PASS / FAIL – Green / Red screens
- Fast continuity test
- 5 second continuity test
- 250V Insulation
- 500V Insulation
- Substitute leakage test
- 110V & 230V run / leakage test
- Extension lead test - with L-N ins. test
- PRCD testing – without tripping the installed RCD
- Test lead nulling
- Backlight

INCLUDED ACCESSORIES

- Mains leads
- Earth lead with probe and croc clip
- Extension lead adapter
- Carry bag with strap
- Quickstart manual
- End of line Cal Cert

APPLICABLE STANDARDS

Safety	IEC/EN61010-1 CAT II 300V-instrument IEC/EN61010-2-030 IEC/EN61010-031 CAT III 600V
EMC	EN61326-1, 2-2
Possible number of measurements where battery voltage is within the effective range (measuring every 30 sec)	Approx. 1400 times

SPECIFICATION

PROTECTIVE CONDUCTOR RESISTANCE TEST

Measuring range	0.00 - 20.00 Ω (NULL value inc)*
Over-range indication	> 20.00 Ω
Resolution	0.01 Ω
Open-circuit voltage	5 V ± 0.4 V DC
Measuring current	200 mA DC (nominal value)
Accuracy	$\pm 3\%$ rdg ± 5 dgt

* Resistances exceeding 3 Ω cannot be cancelled by NULL function.

MAINS VOLTAGE

Display range	30 - 270 V
Hi/ Lo indication	< 30 V: No voltage indication > 270 V: 270 V
Resolution & Accuracy	1 V $\pm 3\%$ rdg ± 5 dgt

INSULATION

Rated voltage	250V	500V
Measuring range	0.00 - 20.00 M Ω	
Over-range indication	> 20.00 M Ω	
Resolution	0.01 M Ω	
No-load voltage	250 V DC +20%, -0%	500 V DC +20%, -0%
Short-circuit current	1.5 mA DC or less	
Rated current	1 - 1.2 mA with a load of 0.25 M Ω	1 to 1.2 mA with a load of 0.5 M Ω
Accuracy	$\pm 2\%$ rdg ± 3 dgt	

SUBSTITUTE LEAKAGE

Measuring range	0.10 - 12.00 mA rms
Over-range indication	> 12.00 mA
Resolution	0.01 mA
Open-circuit voltage/ Freq.	30 V ± 5 V rms / 50 Hz $\pm 5\%$
Measuring current	1.2 mA AC ± 0.5 mA (when measuring 12.00 mA)
Accuracy	$\pm 3\%$ rdg ± 5 dgt

INSULATION TEST BETWEEN L-N

Open-circuit voltage	4.5 V ± 0.5 V DC
Criteria of judgement	100 k Ω ± 20 k Ω or less: LCD shows "<0.10 M Ω " and the measurement is halted.

RUN LEAKAGE

Item	Load current	Leakage current
Mains voltage range	100 - 253 V / 50 Hz	
Measuring range	0.10 - 13.00 A rms	0.10 - 20.00 mA rms
Display range	0.00 - 13.00 A	0.00 - 20.00 mA
Over-range indication	> 13.00 A	> 20.00 mA
Resolution	0.01 A	0.01 mA
Accuracy	$\pm 10\%$ rdg ± 5 dgt	$\pm 3\%$ rdg ± 5 dvt
Max. rating	3 kVA max. / 15 sec. cont.	

RCD TEST

Rated voltage	230 V - 15% to +10% / 50Hz	
Rated current	10 mA / 30 mA	
Test duration	$\times 1$: 0.0 ms - 500.0 ms	$\times 5$: 0.0 ms - 40.0 ms
Test current accuracy	2% - 8%	
Operating time accuracy	± 2 ms (± 40 ms) ± 8 ms (>40 ms)	

PRODUCT INFO

- 140 x 130 x 295 Boxed (WxDxH mm)
- 1.9kg Weight
- EAN 5060084081949
- Made in Japan

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