

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

\* Resistances exceeding 3  $\Omega$  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 $\pm 5$ dgt

#### INSULATION

Rated voltage	250V	500V
Measuring range	0.00 - 20.00 M $\Omega$	
Over-range indication	> 20.00 M $\Omega$	
Resolution	0.01 M $\Omega$	
No-load voltage	250 V DC $\pm 20\%$ , -0%	500 V DC $\pm 20\%$ , -0%
Short-circuit current	1.5 mA DC or less	
Rated current	1 - 1.2 mA with a load of 0.25 M $\Omega$	1 to 1.2 mA with a load of 0.5 M $\Omega$
Accuracy	$\pm 2\%$ rdg $\pm 3$ 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 $\pm 5$ V rms / 50 Hz $\pm 5\%$
Measuring current	1.2 mA AC $\pm 0.5$ mA (when measuring 12.00 mA)
Accuracy	$\pm 3\%$ rdg $\pm 5$ dgt

#### INSULATION TEST BETWEEN L-N

Open-circuit voltage	4.5 V $\pm 0.5$ V DC
Criteria of judgement	100 k $\Omega$ $\pm 20$ k $\Omega$ or less: LCD shows "<0.10 M $\Omega$ " 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 $\pm 5$ dgt	$\pm 3\%$ rdg $\pm 5$ 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	$\pm 2$ ms ( $\pm 40$ ms ) $\pm 8$ ms (>40 ms)	

### PRODUCT INFO

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

kewtechcorp.com

0345 646 1404

sales@kewtechcorp.com