

# KEWTECH

## KT77

### PRODUCT DATA SHEET

#### KT77

#### PORTABLE APPLIANCE TESTER

- Tests for 230V and 110V appliances
- Standard and programmable test sequences
- Sophisticated data capture with qwerty keyboard and fast recording systems
- Fast versatile download via USB stick
- Help screens
- Expert and normal mode
- Table of lead resistances
- 100 mA, 10A & 25A Continuity
- 250 / 500V Insulation
- 230V Earth leakage – differential measurement
- Substitute leakage
- 230V Touch leakage
- Large clear display
- Extension lead and IEC lead tests
- Calibrated earth bond lead
- Selectable pass limits
- Uses high impact resistance rotomoulded case with room for test leads to provide for a self-contained tester
- Tests in accordance with the IEE Code of Practice for in service inspection and testing of electrical equipment

#### ACCESSORIES

- IEC mains cord 1.5m
- Black Test Lead 1m
- USB stick

#### OPTIONAL

- Pass & Fail labels
- KEWPAT Pro software
- Calibration Certificate
- Kewsnap 1 clip on tags to protect labels
- Kewsnap 2 cable tie tags to protect labels
- ACCBARCODE – barcode reader
- ACC1000 – Barcode labels 0 - 1000



### SPECIFICATIONS

#### EARTH CONTINUITY

High current	
Range	0.04 to 19.99 $\Omega$
Resolution	0.01 $\Omega$
Accuracy	$\pm$ (5% + 2 digits)
Test current	10A or 25A into SC load
Test voltage	6V nominal (no load)
Low current (IT equipment)	
Range	0.04 to 19.99 $\Omega$
Resolution	0.01 $\Omega$
Accuracy	$\pm$ (5%+2 digits) to 5.00 $\Omega$
Test current	100 mA into S/C load
Test voltage	100 mV nominal (no load)

#### INSULATION

Test voltage	500V or 250V DC nominal
Range	0.10 to 19.99 M $\Omega$
Resolution	0.01 M $\Omega$ (<100 M $\Omega$ )
Accuracy	$\pm$ (5%+2 digits) 0.1 - 20 M $\Omega$
Test current	<2 mA

#### SUBSTITUTE LEAKAGE CURRENT (110V)

Display Range	0.1 mA to 20.0 mA
Resolution	0.01 mA
Accuracy	$\pm$ (10%+2 digits) 1.00-20mA
Test voltage	40V AC

#### EARTH LEAKAGE CURRENT (230V)

Range	0.1 mA to 10.0 mA
Resolution	0.01 mA
Accuracy	$\pm$ (5% + 2 digits)
Test voltage	Mains voltage 50Hz AC

#### TOUCH LEAKAGE CURRENT

Display Range	1 mA to 2.0 mA
Resolution	0.01mA
Accuracy	$\pm$ (10% + 2 digits)

#### IEC LEAD TEST

Earth continuity, insulation resistance as above
Detects Open, Short, Good, Reversed

#### POWERED TESTS

Voltage	230 V
Load	0 – 4.0 KVA
Measured voltage	0 – 300 V

#### GENERAL

Pass levels	Selectable
Supply Voltage	230 V
Max output	16 A
Operating temp. range	0°C to 40°C no cond.
Storage temp. range	-10° to 50°C