

## KT63PLUS

6 in 1 Multifunction tester

### PRODUCT DATA SHEET

#### KT63PLUS

##### 6 in 1 Multifunction tester

- Easy to use - single rotary dial with four secondary function keys
- Large colour display
- New anti-trip technology loop test - for full no trip loop testing with RCDs (>30mA) of all types in the circuit.
- Very low susceptibility of RCD uplift and noise interference
- Displays PFC/PSC at the same time as Loop reading
- 250 / 500 / 1000V insulation test with auto discharge
- Test lead auto null for continuity
- RCD tests AC/A & ACS/AS
- RCD ratings 10, 30, 100, 300, 500, 1000mA
- RCD auto-test for 30mA RCDs
- Phase rotation
- Three ways to start a test - single press of the test button, handsfree use of the test button (continuous testing) or by test button in test probe.
- Special DNO mains polarity test
- IP54

#### ACCESSORIES

- ACC063 distribution board test lead set
- Kamp 12 mains lead
- Alkaline batteries
- Printed Instruction manual
- Calibration certificate
- Soft carry case

#### OPTIONAL

- FC2000 check box
- Lightmate kit - for fast connection to light fittings
- Pat Adaptor1 - converts your KT63PLUS into a PAT Tester
- Jump1d1 - Link out leads for cont / ins testing



### SPECIFICATIONS

#### LOOP IMPEDANCE

Range	Measurement Range	Accuracy	System Voltage range
High Current - Hi res, 2Wire	0.000Ω to 9.999Ω	+/(3%+30mΩ)	100-440V AC
Loop/PFC-PSC High Current 2 W 7A nom @ 230V	0.00 to 500.0Ω	+/(5%+3digits)	100-440V AC
Loop No Trip 3 W 13mA nom @ 230V	0.00 to 500.0Ω	+/(5%+3digits)	195V - 253V AC

System voltage 50-60 Hz

#### RCD (AC/A & ACS/AS)

System Voltage Range	System frequency	Nominal currents (mA)	Touch / fault voltage	Trip Time accuracy
195 - 253V AC	50-60 Hz	30, 100, 300, 500	50V	+/(1%+1ms)

Test Current	1/2	1	x5 (30mA only)	Ramp
Accuracy	+0-10%	+10%-0%	+10%-0%	+/(5% of rated IΔN)
Ramp Characteristics	20% to 110% of rated IΔN in 10% steps (300ms dwell time)			

#### CONTINUITY

Measurement Range	Accuracy	Open Circuit voltage	Short circuit current at 2Ω	Max Lead resistance null
0.00Ω to 19.99kΩ	+/(3%+32 digits)	>4V - <10V	>200mA	4Ω

#### INSULATION

Test Voltage	Measurement Range	Accuracy	Short Circuit current into 2kΩ
250V	0.001 to 200.0MΩ	+/(3%+2digits + 10%/GΩ)	<2mA
200V	0.001 to 500.0MΩ	+/(3%+2digits + 5%/GΩ)	<2mA
1000V	0.001 to 1000MΩ	+/(3%+2digits + 2.5%/GΩ)	<2mA
Output Voltage	Load	Accuracy	Output current
250V	250Ω	-0%+20%	1mA
500V	500Ω	-0%+20%	1mA
1000V	1000Ω	-0%+20%	1mA

#### GENERAL SPECIFICATIONS

Dimensions	Accuracy
Weight (With Batteries)	965g
Battery Type	6 x AA / LR6 Alkaline
Category Rating	300V CAT IV 600V CAT III
Ingress Protection Rating	IP54
Operating / Storage Temperature	0°C to 40°C / -10°C to 60°C
Operating Humidity / Altitude	80% @ 31°C to 50% @ 40°C / 0 to 2000m