

# KEWTECH

## KT65



### PRODUCT DATA SHEET

#### KT65

#### MULTIFUNCTION 8-IN-1 TESTER

- Easy to use
- NEW Anti-Trip Technology for full no trip LOOP testing on all RCD types
- Advanced memory – assigns type of test to results e.g. R2 or R1 + R2 for continuity
- Test button in probe as well as lockdown test button for 'hands free' testing
- Easy PFC & PSC measurement without the need to alter test probes
- 250, 500 & 1000V insulation tests with auto discharge
- Additional LED for warning of high voltage output in insulation test mode
- Memory for test lead resistance compensation
- Selectable touch voltage
- Backlit display
- Auto-test memory for RCD testing – single screen results
- End of line calibration certificate included

#### ACCESSORIES

- ACC064SP G7 Test remote with remote test button
- ACC065 G7 Test lead set
- Batteries
- Instruction Manual
- Calibration Certificate
- Software
- Kamp 12 Mains lead
- Test lead pouch
- Soft carry case
- USB cable

#### OPTIONAL

- FC1000 calibration checker
- ACC070 fused prods and croc-clips

### SPECIFICATIONS

#### CONTINUITY

Open Circuit Voltage (DC)	Short Circuit Current	Range	Accuracy	
5V±20%	Greater than 200mA	20 / 200 / 2000Ω Auto-Ranging	0 ~ 0.19Ω 0.2 ~ 2000Ω	±0.1Ω ±(2%rdg+8dgt)

2Ω Buzzer: Buzzer sounds when measured 2Ω Buzzer Accuracy: 2Ω±0.3Ω resistance is 2Ω or less.

#### INSULATION RESISTANCE

Open Circuit Voltage (DC)	Rated Circuit Current	Range	Accuracy
250V+40% -0%	1mA or greater @ 250kΩ	20 / 200MΩ Auto-Ranging	20 ~ 200MΩ ±(5%rdg+6dgt)
500V+30% -0%	1mA or greater @ 500kΩ	20 / 200 / 2000MΩ Auto-Ranging	200 ~ 2000MΩ ±(5%rdg+6dgt)
1000V+20% -0%	1mA or greater @ 1MΩ	20 / 200 / 2000MΩ Auto-Ranging	200 ~ 2000MΩ ±(5%rdg+6dgt)

#### LOOP IMPEDANCE

Function	Rated Voltage	Nominal Test Current at 0Ω External Loop: Magnitude/ Duration	Range	Accuracy
L-PE	100 ~ 260V 50/60Hz	20Ω: 6A/20ms 200Ω: 2A/20ms 2000Ω: 15mA/360ms	20 / 200 / 2000Ω Auto-Ranging	±(3%rdg+4dgt)
L-PE (ATT)	100 ~ 260V 50/60Hz	L-N: 6A/30ms N-PE: 10mA approx. 4s	20 / 200 / 2000Ω Auto-Ranging L-N < 20Ω	±(3%rdg+6dgt)
L-N/L-L	100 ~ 500V 50/60Hz	20Ω: 6A/20ms	20Ω	±(3%rdg+4dgt)

#### PSC (L-N/L-L) / PFC (L-PE)

Function	Rated Voltage	Test Current	Range	Accuracy
PSC	100 ~ 500V 50/60Hz	6A/20ms	2000A/20kA Auto-Ranging	PSC accuracy is derived from measured loop impedance specification and measured voltage specification
PFC	100 ~ 260V 50/60Hz	6A/20ms 2A/20ms 15mA/360ms	2000A/20kA Auto-Ranging	
PFC (ATT)	100 ~ 260V 50/60Hz	L-N: 6A/30ms N-PE: 10mA/approx. 4s	2000A/20kA Auto-Ranging	

#### RCD

Function	Rated Voltage	Accuracy		Trip Time
		Trip Current		
		AC Type	A Type	
X1/2	230V+10%-15% 50/60Hz	-8% ~ -2%	±10%	±(1%rdg+3dgt)
X1		+2% ~ +8%		
X5		+2% ~ +8%		
Ramp (▲)		±4%		
Auto	Depending on the accuracy at each function Measurement sequence: X1/2 0°->X1/2 180°->X1 0°->X1 180°-> X5 0°-> X5 180° Measurements with X5 aren't carried out when current is 300mA or more.			

Continuity / Insulation / Loop / PSC ranges uses the rolling average

#### EARTH

Measuring Frequency	Range	Accuracy
825Hz	20 / 200 / 2000Ω Auto-Ranging	20Ω range: ±(3%rdg+0.1dgt) 200 / 2000Ω range: ±(3%rdg+3dgt) (Auxiliary earth resistance 100±5%)

#### PHASE ROTATION

Rated Voltage	Remarks
50-500V 50/60Hz	Correct phase sequence: are displayed *1.2.3* and ⚡ mark Reversed phase sequence: are displayed *3.2.1* and ⚡ mark

#### VOLTS

Function	Rated Voltage	Range	Accuracy
Volts	25 ~ 500V 45 ~ 65Hz	25 ~ 500V	±(2%rdg+4dgt)
Frequency	25 ~ 500V 45 ~ 65Hz	45 ~ 65Hz	±(0.5%rdg+2dgt)