KEWTECH

KT65DL

Multifunction 8-in-1 tester

PRODUCT DATA SHEET

KT65DL

MULTIFUNCTION 8-IN-1 TESTER

- Easy to use
- NEW Anti-Trip Technology for full no trip LOOP testing on all RCD types
- 0.001 resolution high current loop
- 55V loop testing for centre tapped 110V systems
- Max Zs tables for MCBs and fuses
- 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
- Pat testing including download with optional PAT adaptor
- 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

- FC2000 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 ~ 0.19 Ω 0.2 ~ 2000 Ω	±0.1 Ω ±(2%rdg+8dgt)

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

INSULATION RESISTANCE

Open Circuit Voltage (DC)	Related Circuit Current	Ranges (Auto Range)	Accuracy
250V+25% - 0%	1mA or greater @ 250kΩ	20 / 200MΩ Auto Ranging	0~19.99MΩ ±(2%rdg+6dgt) 20~200MΩ ±(5%rdg+6dgt)
500V+25% - 0%	1mA or greater @ 500kΩ	20 / 200 / 1000MΩ Auto Ranging	0~199.9MΩ ±(2%rdg+6dgt) 200~1000MΩ ±(5%rdg+6dgt)
1000V+20% - 0%	1mA or greater @ 1MΩ	20 / 200 / 2000MΩ Auto Ranging	0~199.9MΩ ±(2%rdg+6dgt) 200~2000MΩ ±(5%rdg+6dgt)

LOOP IMPEDANCE

Function		Rated Voltage	Nominal Test Current at 0 External Loop ; Magnitude / Duration (*2)	Range	Accuracy
L-PE	0.01 ΩRes	50~260Hz 50/60Hz	20Ω: 6A/20ms 200Ω: 2A/20ms 2000Ω: 15mA/20ms	20/200/2000Ω Auto-Ranging	±(3%rdg+4dgt) *3 ±(5%rdg+15dgt) *4 ±(3%rdg+8dgt) *5
L-PE	0.001 ΩRes	230V +10%~15% 50/60Hz	2Ω: 6A/90ms	2Ω	±(3%rdg+35mΩ)
L-PE (ATT)		100~260V 50/60Hz	L-N:6A/30ms N-PE:10mA/approx. 5s	20/200/2000Ω Auto-Ranging (L-N < 20Ω)	±(3%rdg+6dgt) *3 ±(3%rdg+8dgt) *4
L-N/L-L		50/60Hz L-N:50~300V L-N:300~500V	20Ω: 6A/20ms	20Ω	±(3%rdg+4dgt) *3 ±(5%rdg+15dgt) *4 ±(3%rdg+8dgt) *5

2 : at 230V 3: 230V+10%-15% *4: 50V~100V *5: voltages except for * 3 and *4

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

Function	Rated Voltage	Nominal Test Current at 0 External Loop : Magnitude / Duration (*6)	Range	Accuracy
PSC	50~500V 50/60Hz	6A/20ms	2000A/20kA Auto-Ranging	PSC/PFC accuracy is derived from measured loop impedence specification and measured voltage specification
PFC	50~260V 50/60Hz	6A/20ms 2A/20ms 15mA/500ms		
PFC (ATT)	100~260V 50/60Hz	L-N:6A/60ms N-PE:10mA/approx. 5s		

*6 : 230V

RCD

Function PFC	Rated Voltage	Accuracy		
		Trip Current		Trip Time
		AC Type	A Type	
X1/2	230V+ 10%~15% 50/60Hz	- 8%~2%	-10%~0%	±(1%rdg+3dgt)
X1		+ 2%~+8%	0%~+10%	
X5		+2%~+8%	0%~+ 10%	
Ramp (◢)		± 4%	±10%	
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 for RCDs with normal current of 100mA 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+0.1Ω) 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)