

## KTD30

# Digital Insulation and Continuity Tester



- ▲ 250, 500 & 1000V insulation test
- ▲ Continuity up to 10  $\Omega$
- ▲ Auto null function up to 2 $\Omega$  ( caters for long test lead extensions)
- ▲ 'Hands free' mode
- ▲ Live circuit warning
- ▲ Protected against accidental live voltage contact
- ▲ Auto-shut off to preserve battery life
- ▲ Excellent battery life over 5000 tests from only four batteries.

The **Kewtech KTD30** is a comprehensive Insulation / Continuity tester it provides for three insulation test voltages: 250V DC for SELV and PELV circuits 500V DC for circuits up to and including 500V and 1000V for circuits above 500V.

The 200mA continuity test has a auto-null feature for the resistance of the test leads. This can null out up to 2Ω so caters for long extension leads used in R2 testing.

In both insulation and continuity function there is a 'hands free' mode. When sets the instrument will measure whatever is across its test probes. This save the user having to connect probes and then have a hand free to press the test button.

A live circuit warning is provided for when live circuits are inadvertently before the commencement of a test.

## Specifications

### Insulation Test Ranges

#### Accuracy

Test Voltage	Ranges (Auto Range)	Tolerance (@20°C)
250V	0.01 to 9.99MΩ	± 3% ± 1 digit
	10.0 to 99.9MΩ	± 3% ± 1 digit
	100 to 199MΩ	± 6% ± 1 digit
500V	0.01 to 9.99MΩ	± 3% ± 1 digit
	10.0 to 99.9MΩ	± 3% ± 1 digit
	100 to 199MΩ	± 3% ± 1 digit
	200 to 500MΩ	± 6% ± 1 digit
1000V	0.01 to 9.9MΩ	± 3% ± 1 digit
	10.0 to 99.9MΩ	± 3% ± 1 digit
	100 to 399MΩ	± 3% ± 1 digit
	400 to 999MΩ	± 6% ± 1 digit

### Output Voltage

Voltage	Load	Output Current	Tolerance
250	250kΩ	1mA	-0% +20%
500	500kΩ	1mA	-0% +20%
1000	1MΩ	1mA	-0% +20%
Short circuit current (into 2kΩ)			<2mA
Typical Test Time (10MΩ)			<2 sec

### Continuity Test Ranges

#### Accuracy

Ranges (Auto Range)	Tolerance (@ 20°C)
0.00 to 9.99Ω	± 3% ± 2 digits
10.0 to 99.9Ω	± 3% ± 2 digits
100 to 999Ω	± 3% ± 2 digits
Open Circuit Voltage	>4V, <10V
Short Circuit Current	>200mA
Zero offset Adjust (Test Lead Null)	2Ω
Typical Test Time (2Ω)	<2 sec

#### Power

4 x AA alkaline batteries (not included)  
 Battery Life (BS EN 61557) >5000 tests @ 500V test voltage

#### Environmental

Operating Temperature Range	0°C to 40°C
Storage Temperature Range	-10°C to 60°C
Operating Humidity	80% @ 31°C to 50% @ 40°C
Size	157mm x 89mm x 39mm
Weight	400g

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