



KT300DL

Insulation / Continuity Tester

PRODUCT DATA SHEET

- Insulation test at 50V, 100V 250V, 500V & 1000V
- SPD test
- Continuity test with audible tone
- 30 K ohm continuity range for verifying extraneous conductive parts
- Test lead null facility
- Buzzer mode
- Hands free function
- Breakdown voltage
- Voltage present LED
- Auto power off

ACCESSORIES

- ACC020 two wire test lead set
- Carry Case
- Manual
- Batteries
- Calibration certificate

Power supply 4 x AA LR6 Batteries

Battery life 50 hours

Overvoltage category CAT III 500V
CAT IV 300V

Operating temperature 0 - 40°C

Storage temperature -10 to 60°C

Operating humidity 80% @ 31°C to 50% @ 40°C

Safety compliance BSEN 61010-2-030:2010

EMC compliance BSEN 61326-2-2:2013

BSEN 61557-1:2007

Performance standard BSEN 61557-2:2007

BSEN 61557-4:2007

Probes GS38 compliant

Dimension (mm) 180mm x 85mm x 50mm

Weight (g) Approximately 450g

SPECIFICATIONS

CONTINUITY TEST RANGE ACCURACY

Range	Tolerance (@20°C)
0.00 to 9.99 Ω	+ (3% + 2 digits)
10.0 to 99.9 Ω	+ (3% + 2 digits)
100 to 29.99 kΩ	+ (3% + 2 digits)
Open circuit Voltage	>4V, <10V
Zero offset adjust (test lead null)	5 Ω
Typical test time (2 Ω)	>2 seconds
Hazard Warning LED	>25V

RUN LEAKAGE

Item	Load current	Leakage current
Test Voltage	Ranges (Auto Range)	Tolerance (@ 20°C)
50 V	0.01 to 9.99 MΩ	± (6% + 2 digits)
	10.0 to 49.9 MΩ	± (6% + 2 digits)
100 V	0.01 to 999 MΩ	± (6% + 2 digits)
	10.0 to 99.9 MΩ	± (6% + 2 digits)
250 V	0.01 to 9.99 MΩ	± (3% + 1 digits)
	10.0 to 99.9 MΩ	± (3% + 1 digits)
	100 to 199 MΩ	± (6% + 1 digits)
500 V	0.01 to 9.99 MΩ	± (3% + 1 digits)
	10.0 to 99.9 MΩ	± (3% + 1 digits)
	100 to 199 MΩ	± (3% + 1 digits)
	200 to 499 MΩ	± (6% + 1 digits)
1000 V	0.01 to 9.99 MΩ	± (3% + 1 digits)
	10.0 to 99.9 MΩ	± (3% + 1 digits)
	100 to 399 MΩ	± (3% + 1 digits)
	400 to 999 MΩ	± (6% + 1 digits)

INSULATION OUTPUT VOLTAGE

Voltage	Load	Output Current	Tolerance
50 V	50 kΩ	1 mA	-0% +20%
100 V	100 kΩ	1 mA	-0% +20%
250 V	250 kΩ	1 mA	-10% +20%
500 V	500 kΩ	1 mA	-10% +20%
1000 V	1 MΩ	1 mA	-10% +20%
Short circuit current (into 2k Ω)			< 2 mA
Typical Test Time (10 MΩ)			< 2 seconds