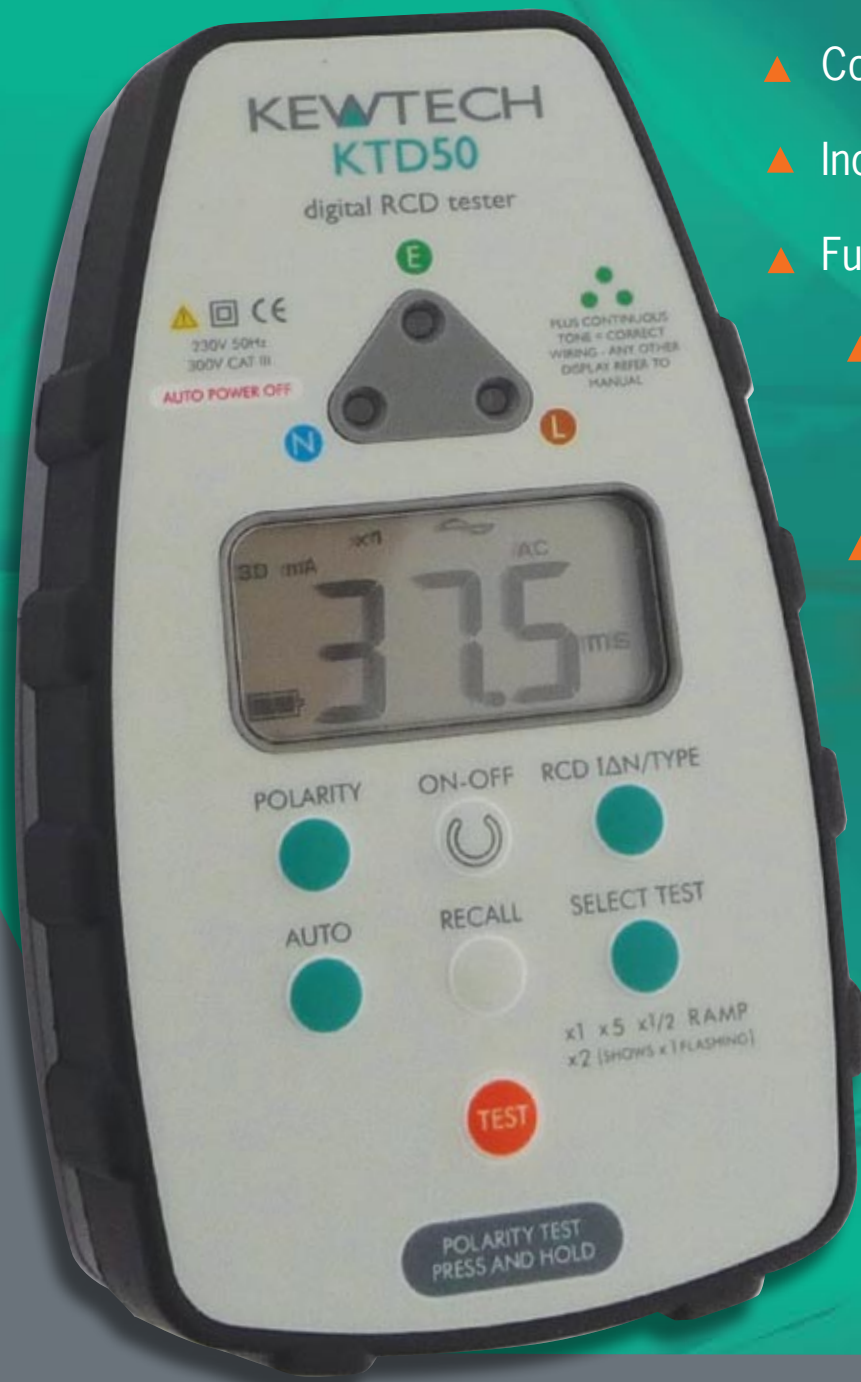


KTD50

Digital RCD Tester with Auto-Test



- ▲ Comprehensive RCD tester
- ▲ Includes RCD ramp and auto-test
- ▲ Full socket tester functionality built in
 - ▲ Unique mains supply polarity test (checks that line and neutral are not switched at the supply)
 - ▲ Measures mains voltage
 - ▲ Special x 2 I ΔN RCD function
 - ▲ Tests selective RCDs

The **Kewtech KTD50** is a comprehensive RCD tester that tests type AC and ACS RCDs from 30mA to 500mA (see specifications below). Special RCD features include an auto, ramp and $\times 2 \mid \Delta N$ test.

In the auto-test mode the instrument automatically runs through all the six standard tests whilst the operator only has to stand by the RCD and reset it every time it trips. All the result can be viewed using the recall button.

The ramp test slowly increases the tripping current until the RCD trips. The display is in mA. It will show up RCDs that are out of specification and those that will be susceptible to nuisance tripping. It can also be used to indicate which circuits have high leakage currents.

The $\times 2 \mid \Delta N$ test satisfies the advisory note for verification of disconnection times as in the 17th Edition regulation 411.3.2.2

The Kewtech KTD50 also measures main voltage and incorporates a full socket tester that checks for any mis-wiring at the socket.

Last but not least this tester has the unique feature of a mains polarity test. It will check that the mains incoming supply is not in the very hazardous condition of line/neutral reversal.

Specifications

Features

Type AC & ACS breakers
 30mA breakers $\times \frac{1}{2}$, $\times 1$, $\times 2$, $\times 5$ test currents
 100mA, 300mA, 500mA breakers $\times \frac{1}{2}$, $\times 1$ test currents
 Unlimited number of RCD tests
 RCD test polarity change
 Auto / Manual test on all breakers
 Full socket test and mains polarity test
 Complies with EN61557 parts 1 and 6 (performance)
 Complies with EN61010 (safety)
 Complies with EN61326 (EMC)

RCD Test Range (to EN61557-6)

Supply voltage	195V – 253V AC 50Hz
Test current accuracy	($\frac{1}{2}$ I) -0% to -10%
Test current accuracy	(I, 5I) +0% to +10%
Trip time accuracy	Up to 1 second $\pm(1\% +1ms)$ Over 1 second $\pm(1\% +10ms)$

Voltage measurement

Range 5V to 440V $\pm(2\% + 1V)$ over the working frequency range of 50Hz $\pm 0.5\%$

Socket test

Detects opens, shorts, wrong wiring, phantom conditions, phase reversal, out of limits voltage.

Fault Touch Voltage

Test terminated if $> 25V$

Power

4 \times AA batteries 'Alkaline' recommended (not included)
 Battery life 10,000 tests
 Fitted fuse 32mm 0.25A (F) HBC
 Survives 440V over voltage test rated for 1 minute.

Environmental

Operating Temp. Range	0°C to 40°C
Storage Temp. Range	-10°C to +60°C
Operating Humidity	93% RH @ 40°C
Size	157mm \times 89mm \times 39mm
Weight	400g

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