

# Wavecom



## WCM-RCD

*Digital RCD Tester*

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## Overview

The WCM-RCD is a microprocessor based Residual Current Device Tester or an Earth Leakage Circuit Breaker Tester that meets today's standards of safety and performance.

The WCM-RCD is a very high quality instrument used by professionals to obtain accurate values of protection time whilst a selectable fault current is injected to the earth. RCD trip time can also be easily measured at the power outlet.

It tests all conventional RCD safety switches in electrical installations and extension leads.

The WCM-RCD uses an in-built microprocessor for achieving high accuracy and reliability. It detects a voltage presence and will automatically start and stop the tests.

AC voltage measurements between line and earth are measured and displayed before the start of tests.

The LED's display a safety status indication of the mains supply. The test current and phase angles of 0/180 degrees can be easily changed via the main menu.

## Features

- + Fully programmed operation
- + Accurate digital read out of tripping time and current
- + 450ms readout for testing latest delay action breakers
- + Two LED lamps give quick indication for correct wiring
- + Compact, lightweight and simple to operate
- + Zero cross circuitry permits testing at 0 and 180 degrees portion of sine waves
- + Digital voltage reading line to earth
- + Over temperature protection
- + Mains supply test
- + Delayed function test
- + Auto power off
- + RCD time trip
- + RCD ramp current test 10, 30, 100, 300, 500 & 650mA
- + 0 and 180 degree phase angle testing
- + Microprocessor controlled for highest accuracy & reliability
- + 12 month warranty
- + 12 months calibration certificate to Australian Standards
- + Conforms to AS/NZS 3760:2022 standards (at 30mA)

## Contents

- + Digital RCD Tester
- + User Manual
- + GPO Test Lead
- + 4x 1.5V 'AA' Batteries
- + Calibration Certificate





# WCM-RCD

## Digital RCD Tester

### Specifications

<b>Operational Voltage</b>	195V – 253V / 45-65Hz
<b>Trip Current Settings</b>	10, 30, 100, 300, 500 & 650mA
<b>Trip Current Measurement Accuracy</b>	±10% ±2 digits
<b>Trip Test</b>	0° & 180° Waveform from zero crossing
<b>Trip Time Ranges</b>	0ms – 300ms
<b>Trip Time Accuracy</b>	±5% ±3 digits
<b>Ramp Test</b>	X0.4 to 1.1 times nominal rated current; accuracy ±10%
<b>Temperature Cut Out</b>	65°C
<b>Warning Indicators</b>	Faulty Earth Detection, Out of Voltage Range, Mains Supply Wiring Condition Monitor
<b>Power Source</b>	4 AA Batteries, 20mA Standby Mode
<b>Auto-Off</b>	Approximately 1min after no button operation
<b>Display</b>	55*40mm Digital LCD Display
<b>Dimensions</b>	200 x 70 x 45mm; 253g
<b>Safety</b>	CAT III, 600V - Double Insulated - IP40 Resistance to mechanical shock up to 1G
<b>Calibration</b>	Comes with a 12 month calibration certification. The manufacturer recommends that this instrument be calibrated every 12 months to ensure conformity to standards.

### Ordering Information

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