



**AEGIS**



# Multi-Function Electrical Tester

# “5 instruments in 1, this tester is a must have!”

## The perfect Multi-Function tester!

The CZ20500 Multi-Function electrical tester includes some of the latest advances in electrical testing, combining 5 instruments into 1 !

Insulation, Line/Loop, Phase, RCD, and Voltage testing are all included in the one instrument, making your job of installation testing easier.

The Multi-Function electrical tester is the perfect tool for certification of domestic, commercial, and industrial fixed wiring installations as required by standards.

This is a comprehensive digital multifunctional electrical safety test instrument. It features integrated analog circuits, digital circuits, and a microcomputer chip combination.

The multiple functions, high accuracy, and stable performance mean you can test with confidence, having a reliable and convenient tester with simple operation modes.



# Multi-Function Tester

CZ20500 Multi-Function Electrical Tester incorporates Insulation Resistance testing, RCD testing, Line/Loop testing, Phase testing, and more into the one instrument. This Multi-Function Electrical Tester is your ideal choice for the maintenance, testing and inspection of electrical installations and electrical equipment.

01

Rugged Housing  
Portable  
Ergonomic

02

Standards compliant  
AS 61010.1 Cat III 300V  
IEC 61010.1 Cat III 300V  
AS 61010.031  
IEC 61010.031  
RCM

03

Insulation Resistance  
RCDs  
Line/Loop (No Trip)  
Phase ( $0^\circ$  &  $180^\circ$ )  
Voltage/Continuity

04

Easy to use  
Direct select test function  
Single Test button

5 in 1  
tester



## SPECIFICATIONS

1

### Insulation Resistance

250V:  $0.05\text{M}\Omega - 250\text{M}\Omega \pm (5\% +5 \text{ dig})$   
500V:  $0.05\text{M}\Omega - 500\text{M}\Omega \pm (5\% +5 \text{ dig})$   
1000V:  $0.05\text{M}\Omega - 1000\text{M}\Omega \pm (5\% +5 \text{ dig})$   
Short Circuit Current < 2mA

### Continuity

Range:  $0.00\Omega - 199\Omega \pm (2\% +5 \text{ dig})$   
Current: > 200mA @ 2 $\Omega$

### Physical

Dimensions: 210 x 175 x 90mm

2

### Line/Loop Impedance

Range:  $0.01\Omega - 2000\Omega \pm (5\% +5 \text{ dig})$   
Op Voltage(Freq): 195- 440VAC (45-65Hz)  
Test Current: 20A  
PFC Range: 0kA - 26kA

### Loop Impedance (non Trip)

Range:  $1.00\Omega - 2000\Omega \pm (5\% +5 \text{ dig})$   
Op Voltage (Freq): 195-253VAC (45-65Hz)  
Test Current: 20A  
PFC Range: 0kA - 26kA

3

### RCD

Op Voltage (Freq): 195-253VAC (45-65Hz)  
Test Current:  
10, 30, 100, 300, 500mA (- 0% + 10%)  
Current Multipliers  
 $\times 1/2, \times 1, \times 5 (-10\% +0\% (1/2))$   
Trip Time Ranges:  
0 - 2000ms (varies Current/Multiplier)  
 $\pm (5\% +5 \text{ dig})$   
Ramp: 10/30/100/300/500mA ( $\pm 10\%$ )

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**Australia  
Toll Free 1300 723 447**

Unit 9, 173-181 Rooks Road  
Vermont, Vic 3133

**Tel:** (61 3) 8872 6666  
**Email:** sales@aegis.net.au

[www.aegis.net.au](http://www.aegis.net.au)

**New Zealand  
Toll Free 0508 423 447**

Office 103 Level 1, Quad 7  
Building, 6 Leonard Isitt Drive,  
Auckland 2022

**Tel:** (64 9) 884 3910  
**Email:** sales@aegis.net.nz

[www.aegis.net.nz](http://www.aegis.net.nz)



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