

# Metrel MI 2121-AUS: The Fully Compliant AS3760 & AS3190 RCD Tester

The MI 2121-AUS is Australia's fully compliant RCD tester meeting all of the requirements of AS3760 & AS3190, as well as providing test result logging.

From the trip time accuracy of  $\pm 2.5\%$  to the test current accuracy of  $\pm 5\%$ , the MI 2121-AUS has been designed and built from the ground up to comply to all the mandatory Australian RCD tester requirements.

Metrel	Features
	MI 2121-AUS
Display	Custom LCD
Indication	Digital
Operation	Rotary Switch/Keypad
Enclosure	Integral Lid
Leads	Mains Cable
Carry Case	Deluxe Padded
Dimensions(LxWxH)	15.5 x 9.5 x 19cm

Metrel	Tests Performed
	MI 2121-AUS
RCD Types	10, 30, 100, 300, 500, 1000mA
Test Current Multipliers	x0.5, x1, x2, x5
Selectable Phase Angle	0°, 180°
RCD Trip-Out Current Measurement	$\pm 5\%$ Accuracy
RCD Trip-Out Time Measurement	0 - 300ms, $\pm 2.5\%$
Contact Voltage Measurement for checking earthing system	
Loop Resistance Measurement without tripping out RCD	
AC RMS Phase Voltage Measurement	0 - 470V
Line Frequency Measurement	20 - 65Hz

Metrel	Features
	MI 2121-AUS
Selection between standard (I, II, III) and selective (IV) AC RCDs	
50%, 100%, 200%, 500% nominal test current for all ranges	
Incremental current ramp test with trip-out time indication	
1000 measurements memory	
Optional Universal Test Cable and alligator clips for fixed RCD testing	

## AS/NZS3760 Portable Appliance Testers



### PAC3760

The PAC3760 provides earth continuity, insulation resistance and leakage current testing of Class I and Class II appliances. Unique 3 push button operation and smart features make it the best manual tester available.

### Europa-Plus

Offers the same user interface as the popular Supernova-XE but housed in the smaller footprint Europa case and full keyboard for managing assets. Optional test tag printer.



### Supernova-XE

From its powerful results recording and download capabilities to its user-friendly interface, the Supernova XE offers the maximum scope for high throughput testing and tagging. Optional tag printer.



### Available from:

#### EMONA Instruments Pty Ltd

**NSW** Tel (02) 9519 3933 Fax (02) 9550 1378  
**VIC** Tel (03) 9889 0427 Fax (03) 9889 0715  
**QLD** Tel (07) 3275 2183 Fax (07) 3275 2196  
**WA** Tel (08) 9361 4200 Fax (08) 9361 4300

email [testinst@emona.com.au](mailto:testinst@emona.com.au)

web: [www.emona.com.au](http://www.emona.com.au) [www.protag.com.au](http://www.protag.com.au)

### Calibration & Repair:

Metrel RCD Testers are calibrated and repaired by Emona Instruments Pty Ltd, Service Department  
 Tel 1 800 632 953 email [service@emona.com.au](mailto:service@emona.com.au)



# The AS3760 & AS3190 Compliant RCD Tester

There's  
more to  
testing  
RCD's  
than just  
the trip  
time ...



**MI 2121-AUS**  
**\$699**  
Ex Gst

... the fully  
compliant  
RCD tester!

The Metrel MI 2121-AUS verifies that RCDs operate in accordance with all of the mandatory requirements of AS3760 and AS3190. It is capable of testing any RCD incorporated in either portable equipment or in fixed wiring installations, and logging results for later recall.

Supplied to the Australian Defence Force under tender as the MI 2121-ADF, the MI 2121 series provides outstanding functionality and performance not found on comparable RCD testers.

**MI 2121-AUS RCD Tester Features:**

- Fast testing of 10, 30, 100, 300, 500, 1000mA RCDs both standard (I, II, III) and selective (IV) AC types.
- Applies a sinusoidal trip current which is capable of tripping RCDs that cheaper testers cannot
- Selectable phase angle 0° (positive) and 180° (negative)
- Measures RCD trip time in the range of 0 - 300ms with accuracy of ±2.5%
- Measures RCD trip current with high resolution test ramp and accuracy of ±5%
- 50%, 100%, 200% and 500% nominal test current for all ranges provided
- Measures AC RMS phase voltage between 0V - 470V AC
- Measures line frequency between 20Hz - 65Hz
- 1000 test result memory logging
- Supplied with mains lead and carry case
- Optional Universal Test Cable for connecting to and testing RCDs directly at the switchboard
- Optional SmartLink results download software

**Ordering Information:**

MI 2121-AUS	\$699 ex GST
<i>Options</i>	
A-1011C Universal Test Cable for Fixed RCDs	\$152 ex GST
A-1050 SmartLink PC Download Software	\$225 ex GST