

# RWV Industries

Lightning & Earthing Specialists

SMCSWSPS-HEY-OSN-ED-ITP-000010

Revision: A

Revision Date: 21/10/2022

## Earth Test Report

### General:

Building:

Report No: **ET**

Location:

Test Conducted:

Testing:

### Instrument Details:

Test

Instrument:

Certificate No:

Calibrated by:

Calibrated on:

### Test Details:

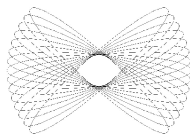
Test Details:		Test Point Location			Meter reading	
Test Point 1						
Test Point 2						
Test Point 3						
Ground Density:	Soft	Pegs push in by hand. i.e. landscaping	Soil Moisture:	Low	Dry, no visible signs of moisture.	
	Medium	Pegs hammered in. i.e. clay		Medium	Area moist, no water lying around.	
	Hard	Pegs need holes drilled. i.e. rock		High	Raining, water lying around.	
Test Method used:		“3 Pin Fall of Potential”		“Dead Earth”		

### NOTES:

If you have any questions regarding this report, please do not hesitate in contacting the undersigned.

Regards,

Peter Smart



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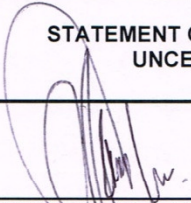
Revision Date: 21/10/2022

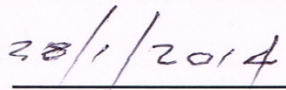


p 1300 309 881  
f 1300 885 178  
e info@hkcalibrations.com.au  
**www.hkcalibrations.com.au**  
ABN: 84 152 274 014

## CALIBRATION CERTIFICATE

RWV INDUSTRIES 2463 RIVER ROAD WISEMANS FERRY NSW 2775		REPORT NO: 15668-1
ISO/IEC 17025:2005		DATA/REMARKS
A	EQUIPMENT TYPE	DIGITAL GROUND TESTER
B	MAKE	MEGGER
C	MODEL	DET4TD2
D	EQUIPMENT SERIAL NUMBER	101097031
E	EQUIPMENT ASSET NUMBER	-
F	DESCRIPTION OR TYPE	DIGITAL
G	RANGE	VARIOUS
H	LOCATION OF EQUIPMENT	TEST AND MEASUREMENT LAB
I	DATE OF RECEIPT	28/01/2014
J	DATE OF CALIBRATION	28/01/2014
K	RECOMMENDED DUE DATE	28/01/2016
L	RATED ACCURACY OF U. U. T. ( $\pm$ )	AS PER MANUFACTURERS SPECIFICATION
M	READING OF U. U. T.	SEE PAGE 2
N	READING OF MASTER INSTRUMENT	SEE PAGE 2
O	DETAILS OF REPAIR OR ADJUSTMENTS	NA
P	CALIBRATION ENVIRONMENT	TEMPERATURE: 24.5°C $\pm$ 0.5°C AVERAGE HUMIDITY: 40% $\pm$ 10% RH
Q	CALIBRATED BY	NILAY
R	TEST METHOD or AUSTRALIAN STANDARD	HKC 11-28 (AS 1024-1971)
S	CALIBRATION STANDARD	MULTIPRODUCT CALIBRATOR,DMM ,ELECTRICAL TESTER MAKE : FLUKE MODEL:5502E,8846A REPORTNO:F5677007,F5662069
STATEMENT OF MEASUREMENT UNCERTAINTIES		The applicable measurement uncertainties are calculated in accordance with the method described in the ISO Guide to the Expression of Uncertainty in Measurement, with confidence level of 95% using a coverage factor k=2.

  
**MARCUS KHAN**  
AUTHORIZED SIGNATORY

  
**DATE OF ISSUE**

Page 1 OF 2

■ SYDNEY  
Unit 8,  
20 Loyalty Road  
North Rocks  
NSW 2151

■ MELBOURNE  
Unit 3,  
96 Levanswell Road  
Moorabbin  
VIC 3189

■ BRISBANE  
Unit 8,  
87 Kelliher Street  
Richlands  
QLD 4077

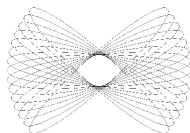
■ ADELAIDE  
Level 24,  
Westpac House  
91 King William Street  
Adelaide  
SA 5000

■ PERTH  
2/279  
Camboon Road  
Malaga  
WA 6090

■ GLADSTONE  
35  
Holland Street  
Gladstone  
QLD 4680

■ HOBART  
Level 6,  
Reserve Bank Building  
111 Macquarie Street  
Hobart  
TAS 7000





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**Report No.:** 15668-1  
**Calibration Date:** 28 JAN 2014  
**Re Calibration Date:** 28 JAN 2015

**Equipment S/R No.:** 101097031  
**Confirmation Interval:** 12 MONTHLY

## 2 POLE

MASTER STIMULUS $\Omega$	U.U.T. READING $\Omega$	U.U.T. ERROR
1.0000	0.99	-0.01
10.000	9.99	-0.01
100.000	100.1	0.1
1.0000k	1.02 k	0.02

## 3 POLE

MASTER STIMULUS $\Omega$	U.U.T. READING $\Omega$	U.U.T. ERROR
1.0000	0.99	-0.01
10.000	9.95	-0.05
100.000	100.2	0.2
1.0000k	1.02 k	-0.03

## 4 POLE

MASTER STIMULUS $\Omega$	U.U.T. READING $\Omega$	U.U.T. ERROR
1.0000	0.99	-0.01
10.000	10.03	0.03
100.000	99.8	-0.2
1.0000k	1.05 k	0.05

## VOLTAGE

MASTER STIMULUS V	U.U.T. READING V	U.U.T. ERROR
10.000	10	0
50.000	51	1
100.000	99	-1

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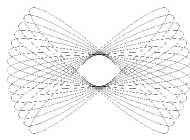
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## Commissioning Inspection Lightning Protection System

Project:  
Location:  
Description of works: **Lightning protection system**  
Relevant drawings: **RWV shop drawings**

Project Number;  
Inspection Date;  
Inspected by: **Peter Smart**  
Customer;

Item	Relevant to Project	Pass/Fail	Comments	Rectified	Date Reinspected
<b>Earthing;</b>					
<b>Rods, clamps, conductors;</b>					
Location					
Correct size					
Correct number					
Straight and secure					
<b>Test points;</b>					
Location					
Correct number					
Straight and secure					
<b>Down conductors;</b>					
<b>Structure used;</b>					
Location					
Correct number					
Continuity testing					
<b>Separate;</b>					
Location					
Correct size					
Correct number					
Straight and secure					
<b>Aerial termination;</b>					
<b>Terminals;</b>					
Location					
Correct size					
Correct number					
Straight and secure					
<b>Strapping;</b>					
Location					
Correct size					
Correct number					
Straight and secure					
<b>Bonding;</b>					
Location					
Correct size					
Correct number					
Straight and secure					
<b>Testing;</b>					
Earth resistance test			Report number;		
Column continuity test			Report number;		
Full system test			Report number;		