



National Association of Testing Authorities, Australia

SCOPE OF ACCREDITATION

Mobile Test 'n' Cal

MOBILE TEST 'N' CAL

| Accreditation Number: 20282 | Site Number: 24177 |

Address Details:

11 River Road
Dinmore, QLD 4303
AUSTRALIA

Website: www.mobiletestncal.com.au

Contact Details:

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Availability: Services available to external clients

Note: Not all of the columns of the scope of accreditation displayed include data.

The only data displayed is that deemed relevant and necessary for the clear description of the activities and services covered by the scope of accreditation.

ISO/IEC 17025 (2005) - The uncertainty of measurement is reported as an expanded uncertainty having a level of confidence of 95% unless stated otherwise
Calibration

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATION/RANGE
DC and low frequency electrical metrology - Electrical measurement and test equipment	Digital multimeters (DMM); Ohm meters;	Resistance	Comparison with a reference standard		up to 100 MΩ

CAPABILITY

With Calibration and Measurement Capability of -
7 mΩ at 0 Ω, 1 Ω, 10 Ω
0.011 Ω at 100 Ω
0.083 Ω at 1 kΩ
0.82 Ω at 10 kΩ
0.004 kΩ at 100 kΩ
0.00015 MΩ at 1 MΩ
0.0039 MΩ at 10 MΩ
0.52 MΩ at 100 MΩ

	Digital multimeters (DMM); Voltmeters;	AC voltage; DC voltage;	Comparison with a reference standard		from 0 to 1000 V from DC to 100 kHz
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CAPABILITY

With Calibration and Measurement Capability of -
DC Voltage

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0.004 % + 3 μ V from 0 to 200 mV
 0.003 % + 4 μ V from 200 mV to 2 V
 0.003 % + 40 μ V from 2 V to 20 V
 0.003 % + 0.4 mV from 20 V to 200 V
 0.003 % + 4 mV from 200 V to 1000 V

AC Voltage

0.032 % + 20 μ V from 0.1 mV to 200 mV and from 45 Hz to 1 kHz,
 0.033 % + 90 μ V from 200 mV to 2 V and from 45 Hz to 1 kHz,
 0.031 % + 1 mV from 2 V to 20 V and from 45 Hz to 1 kHz,
 0.035 % + 8 mV from 20 V to 200 V and from 45 Hz to 1 kHz,
 0.036 % + 75 mV from 200 V to 750 V and from 45 Hz to 1 kHz.

0.07 % + 35 μ V from 0.1 mV to 200 mV and from 1 kHz to 20 kHz,
 0.06 % + 135 μ V from 200 mV to 2 V and from 1 kHz to 20 kHz,
 0.05 % + 2 mV from 2 V to 20 V and from 1 kHz to 20 kHz,
 0.09 % + 40 mV from 20 V to 200 V and from 1 kHz to 20 kHz,
 0.13 % + 400 mV from 200 V to 750 V and from 1 kHz to 10 kHz.

0.3 % + 70 μ V from 0.4 mV to 200 mV and from 20 kHz to 100 kHz,
 0.22 % + 2 mV from 200 mV to 2 V and from 20 kHz to 100 kHz.
 0.18 % + 33 mV from 2 V to 20 V and from 20 kHz to 100 kHz.

	Ammeters; Digital multimeters (DMM);	AC current; DC current;	Comparison with a reference standard		from 0 to 10 A from DC to 2 kHz
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CAPABILITY

With Calibration and Measurement Capability of -

D.C. current

0.01 % + 30 nA from 0 to 200 μ A,
 0.0009 % + 40 nA from 200 μ A to 2 mA,
 0.007 % + 0.3 μ A from 2 mA to 20 mA,
 0.008 % + 3 μ A from 20 mA to 200 mA,
 0.014 % + 35 μ A from 200 mA to 2 A,
 0.032 % + 0.35 mA from 2 A to 10 A

A.C. current

0.10% + 0.25 μ A from 0.1 μ A to 100 μ A and from 45 Hz to 1 kHz,
 0.09% + 0.5 μ A from 100 μ A to 1 mA and from 45 Hz to 1 kHz,
 0.08% + 4 μ A from 1 mA to 10 mA and from 45 Hz to 1 kHz,
 0.09% + 40 μ A from 10 mA to 100 mA and from 45 Hz to 1 kHz,
 0.10% + 400 μ A from 100 mA to 1 A and from 45 Hz to 1 kHz,
 0.06% + 2 mA from 1 A to 10 A and from 45 Hz to 100 Hz,
 1.30% + 0.25 μ A from 1.5 μ A to 100 μ A and from 1 kHz to 2 kHz,
 0.70% + 0.7 μ A from 100 μ A to 1 mA and from 1 kHz to 2 kHz,
 0.46 % + 7 μ A from 1 mA to 10 mA and from 1 kHz to 2 kHz,
 0.46 % + 70 μ A from 10 mA to 100 mA and from 1 kHz to 2 kHz,
 0.60% + 700 μ A from 100 mA to 1 A and from 1 kHz to 2 kHz,



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0.30 % + 4 mA from 1 A to 10 A and from 100 Hz to 1 kHz,

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