National Association of Testing Authorities, Australia

# Scope of Accreditation

## Tex@Site Pty Ltd

Site

### NATA Laboratory

| Accreditation No. | Site No. | Date of Accreditation |
|---|---|---|
| 15281 | 15902 | 16 Jul 2007 |


**Address**
17 Ceylon Street
Nunawading, VIC 3131
Australia

texatsite.com.au

**Contact**
Ms Poneh Nakhjiri
P: +61 1300785935
pnakhjiri@texatsite.com.au


**Availability**
Services available to external clients

### NATA Laboratory

### ISO/IEC 17025 (2017)

Calibration

- The uncertainty of measurement is reported as an expanded uncertainty having a level of confidence of 95% unless stated otherwise

| SERVICE | PRODUCT | DETERMINANT | TECHNIQUE | PROCEDURE | LIMITATIONS |
|---|---|---|---|---|---|
| DC and low frequency electrical metrology - Electrical instrument calibrators | Instrument calibrators | AC current; AC voltage; DC current; DC voltage; Resistance | Comparison with a reference standard | | |

**Capability**

with Calibration and Measurement Capability of
DC voltage
17 µV/V + 6.3 µV up to 200 mV;
10 µV/V + 15 µV above 200 mV to 2 V;
10 µV/V + 120 µV above 2 V to 20 V;
15 µV/V + 1.5 mV above 20 V to 200 V;
13 µV/V + 12 mV above 200 V to 1000 V

DC current
30 µA/A +11 nA up to 200 µA;
30 µA/A + 70 nA above 200 µA to 2 mA;
40 µA/A + 700 nA above 2 mA to 20 mA;
100 µA/A + 20 µA above 20 mA to 200 mA;

| SERVICE | PRODUCT | DETERMINANT | TECHNIQUE | PROCEDURE | LIMITATIONS |
|---|---|---|---|---|---|

390 μA/A + 530 μA above 200 mA to 2 A;
0.11% reading + 3.9 mA above 2 A to 20 A

AC voltage
300 μV/V + 4.6 μV up to 200 mV and from 40 Hz to 100 Hz;
260 μV/V + 440 μV above 200 mV to 2 V and from 40 Hz to 100 Hz;
260 μV/V + 430 μV above 2 V to 20 V and from 40 Hz to 100 Hz;
260 μV/V + 430 μV above 20 V to 200 V and from 40 Hz to 100 Hz;
260 μV/V + 140 mV above 200 V to 1000 V and from 40 Hz to 100 Hz;
260 μV/V + 430 μV up to 200 mV and above 100 Hz to 2 kHz;
240 μV/V + 420 μV above 200 mV to 2 V and above 100 Hz to 2 kHZ;
200 μV/V + 400 μV above2 V to 20 V and above 100 Hz to 2 kHz;
230 μV/V + 380 μV above 20 V to 200 V and above 100 Hz to 2 kHz;
260 μV/V + 140 mV above 200 V to 1000 V and above 100 Hz to 2 kHz;
400 μV/V + 24 μV up to 200 mV and above 2 kHz to 10 kHz;
260 μV/V + 380 μV above 200 mV to 2 V and above 2 kHz to 10 kHz;
220 μV/V + 1.6 mV above 2 V to 20 V and above 2 kHZ to 10 kHZ;
220 μV/V + 16 mV above 20 V to 200 V and above 2 kHz to 10 kHz;
260 μV/V + 140 mV above 200 V to 1000 V and above 2 kHz to 10 kHz

AC current
780 μA/A + 68 nA from 30 μA to 200 μA and from 10 Hz to 10 kHz;
460 μA/A + 470 nA above 200 μA to 2 mA and from 10 Hz to 10 kHz;
460 μA/A + 4.7 μA above 2 mA to 20 mA and from 10 Hz to 10 kHz;
690 μA/A + 47 μA above 20 mA to 200 mA and above 10 Hz to 10 kHz;
0.11% reading + 1.1mA above 200 mA to 2 A and above 10 Hz to 2 kHz;
0.13% reading + 8.2mA above 2 A to 20 A and above 10 Hz to 2 kHz;
0.13% reading + 1.1 mA above 200 mA to 2 A and above 2 kHz to 10 kHz;
0.36% reading + 13 mA above 2 A to 20 A and above 2 kHz to 10 kHz

Resistance
20 μΩ/Ω + 5 μΩ up to 2 Ω;
14 μΩ/Ω + 67 μΩ above 2 Ω to 20 Ω;
12 μΩ/Ω + 570 μΩ above 20 Ω to 200 Ω;
12 μΩ/Ω + 5.7 mΩ above 200 Ω to 2 kΩ;
12 μΩ/Ω + 51 mΩ above 2 kΩ to 20 kΩ;
16 μΩ/Ω + 1.4 Ω above 20 kΩ to 200 kΩ;
17 μΩ/Ω + 14 Ω above 200 kΩ to 2 MΩ;
49 μΩ/Ω + 590 Ω above 2 MΩ to 20 MΩ;
170 μΩ/Ω + 19 kΩ above 20 MΩ to 200 MΩ;
0.15% reading+ 2.6 MΩ above 200 MΩ to 2 GΩ;
0.35% reading+ 47 MΩ above 2 GΩ to 20 GΩ;
0.75% reading+ 0.056%/GΩ above 20 GΩ to 90 GΩ

| | | | | | |
|---|---|---|---|---|---|
| DC and low frequency electrical metrology - Electrical measurement and test equipment | Ammeters; Current clamps; Digital multimeters (DMM); Insulation resistance test equipment; Ohm meters; Voltmeters | AC current; AC voltage; DC current; DC voltage; Resistance | Comparison with a reference standard | | |

**Capability**

with Calibration and Measurement Capability of
DC voltage
17 μV/V + 6.3 μV up to 200 mV;
13 μV/V + 21 μV above 200 mV to 2 V;
13 μV/V + 47 μV above 2 V to 20 V;
17 μV/V + 580 μV above 20 V to 200 V;
18 μV/V + 8.7 mV above 200 V to 1000 V

DC current

37 µA/A + 15 nA up to 200 µA;
38 µA/A + 150 nA above 200 µA to 2 mA;
43 µA/A + 1.5 µA above 2 mA to 20 mA;
122 µA/A + 14 µA above 20 mA to 200 mA;
460 µA/A + 97 µA above 200 mA to 2 A;
0.11% reading + 3.9 mA above 2 A to 20 A

Clamp on ammeters
0.48% reading + 180 mA from 20 A to 100 A;
0.53% reading + 1.3 A above100 A to 1000 A

AC voltage
280 µV/V + 23 µV up to 200 mV and from 40 Hz to 100 Hz;
260 µV/V + 440 µV above 200 mV to 2 V and from 40 Hz to 100 Hz;
260 µV/V + 430 µV above 2 V to 20 V and from 40 Hz to 100 Hz;
260 µV/V + 430 µV above 20 V to 200 V and from 40 Hz to 100 Hz;
260 µV/V + 140 mV above 200 V to 1000 V and from 40 Hz to 100 Hz;
400 µV/V + 2.3 µV up to 200 mV and above100 Hz to 2 kHz;
240 µV/V + 420 µV above 200 mV to 2 V and above 100 Hz to 2 kHz;
200 µV/V + 400 µV above 2 V to 20 V and above 100 Hz to 2 kHz;
230 µV/V + 380 µV above 20 V to 200 V and above 100 Hz to 1 2 kHz;
260 µV/V + 140 mV above 200 V to 1000 V and above100 Hz to 1 2 kHz;
400 µV/V + 24 µV up to 200 mV and above 2 kHz to 10 kHz,
260 µV/V + 380 µV above 200 mV to 2 V and above 2 kHz to 10 kHz
220 µV/V + 1.6 mV above 2 V to 20 V and above 2 kHz to 10 kHz

AC current
710 µA/A + 69 nA up to 200 µA and from 20 Hz to 1 kHz;
450 µA/A + 480 nA above 200 µA to 2 mA and from 20 Hz to 1 kHz;
450 µA/A + 4.8 µA above 2 mA to 20 mA and from 20 Hz to 1 kHz;
680 µA/A + 48 µA above 20 mA to 200 mA and from 20 Hz to 1 kHz;
0.21% reading + 1.1 mA above 200 mA to 2 A and from 20 Hz to 500 Hz;
0.22% reading + 8.3 mA above 2 A to 20 A and from 20 Hz to 500 Hz

Clamp on ammeters

0.52% reading + 400 mA from 20 A to 100 A and at 57 Hz;
0.63% reading + 2.4 A above 100 A to 1000 A and at 57 Hz

Resistance
20 µΩ/Ω + 7.2 µΩ up to 2 Ω;
14 µΩ/Ω + 91 µΩ above 2 Ω to 20 Ω;
12 µΩ/Ω + 810 µΩ above 20 Ω to 200 Ω;
12 µΩ/Ω + 5.8 mΩ above 200 Ω to 2 kΩ;
12 µΩ/Ω + 53 mΩ above 2 kΩ to 20 kΩ;
16 µΩ/Ω + 1.4 Ω above 20 kΩ to 200 kΩ;
17 µΩ/Ω + 14 Ω above 200 kΩ to 2 MΩ.
49 µΩ/Ω + 590 Ω above 2 MΩ to 20 MΩ;
170 µΩ/Ω + 20 kΩ above 19 MΩ to 200 MΩ;
0.15% reading + 2.6 MΩ above 200 MΩ to 2 GΩ;
0.35% reading + 47 MΩ above 2 GΩ to 20 GΩ;

Insulation resistance testers up to 1kV
1.9% reading from 10 MΩ to 100 MΩ;
Insulation resistance testers up to 5kV
2.6% reading from 100 MΩ to 200 MΩ;
4% reading above 200 MΩ to 300 MΩ;
3% reading above 300 MΩ to 400 MΩ;
2.7% reading above 400 MΩ to 500 MΩ;
2.5% reading above 500 MΩ to 1 GΩ;
3.5% reading above 1 GΩ to 2 GΩ;
5.5% reading above 2 GΩ to 3 GΩ;
3.7% reading above 3 GΩ to 4 GΩ;

| SERVICE | PRODUCT | DETERMINANT | TECHNIQUE | PROCEDURE | LIMITATIONS |
|---|---|---|---|---|---|
| 3.5% reading above 4 GΩ to 7 GΩ;<br>3% reading above 7 GΩ to 10 GΩ;<br>10% reading above 10 GΩ to 50 GΩ;<br>15% reading above 50 GΩ to 99 GΩ | | | | | |
| DC and low frequency electrical metrology - Electrical standards | Conductance boxes; Precision resistors; Resistance boxes | Resistance | Comparison with a reference standard | | |
| **Capability**<br>with Calibration and Measurement Capability of -<br>20 μΩ/Ω + 5 μΩ up to 2 Ω;<br>14 μΩ/Ω + 67 μΩ above 2 Ω to 20 Ω;<br>12 μΩ/Ω + 570 μΩ above 20 Ω to 200 Ω;<br>12 μΩ/Ω + 5.7 mΩ above 200 Ω to 2 kΩ;<br>12 μΩ/Ω + 51 mΩ above 2 kΩ to 20 kΩ;<br>16 μΩ/Ω + 1.4 Ω above 20 kΩ to 200 kΩ;<br>17 μΩ/Ω + 14 Ω above 200 kΩ to 2 MΩ;<br>49 μΩ/Ω + 590 Ω above 2 MΩ to 20 MΩ;<br>170 μΩ/Ω + 19 kΩ above 20 MΩ to 200 MΩ;<br>0.15% reading + 2.6 MΩ above 200 MΩ to 2 GΩ;<br>0.35% reading + 47 MΩ above 2 GΩ to 20 GΩ;<br>0.75% reading + 0.056%/GΩ above 20 GΩ to 90 GΩ | | | | | |
| Pressure metrology - Pressure and vacuum measuring equipment | Digital pressure gauges; Mechanical pressure gauges; Vacuum gauges | Gauge pressure | Comparison with reference instrument | MSA Test Method 1 ; MSA Test Method 2 | |
| **Capability**<br>with Calibration and Measurement Capability of -<br>0.05% of reading or 0.01 kPa (whichever is greater) at -95 kPa to 70 MPa | | | | | |
| Time and frequency metrology - Frequency, time and waveform measuring equipment | Counters; Frequency meters | Frequency | Comparison with a reference standard | | |
| **Capability**<br>with Calibration and Measurement Capability of -<br>2.3 Hz/MHz from 10 Hz to 100 kHz; | | | | | |
| | Tachometers | Rotational speed | Comparison with a reference standard | | |
| **Capability**<br>with Calibration and Measurement Capability of- | | | | | |

| SERVICE | PRODUCT | DETERMINANT | TECHNIQUE | PROCEDURE | LIMITATIONS |
|---|---|---|---|---|---|
| 0.2% from 600 rpm to 60,000 rpm | | | | | |
| Torque - Torque measuring and testing equipment | Torque transducers | Torque | Gravimetric measurement with reference beam | To the method of BS 7882 | |
| **Capability**<br>with Calibration and Measurement Capability of -<br>0.4% of reading from 1.25 N.m to 25 N.m<br>0.1% of reading above 25 N.m to 1500 N.m | | | | | |
| | Torque wrenches | Torque | Comparison with a reference standard | ASME B 107.300 | |
| **Capability**<br>with Calibration and Measurement Capability of -<br>1.0% of reading from 1.25 Nm to 1500 Nm | | | | | |

## Tex@Site – Mobile Calibration

## ISO/IEC 17025 (2017)

Calibration

| SERVICE | PRODUCT | DETERMINANT | TECHNIQUE | PROCEDURE | LIMITATIONS |
|---|---|---|---|---|---|
| DC and low frequency electrical metrology - Electrical measurement and test equipment | Ammeters; Current clamps; Digital multimeters (DMM); Insulation resistance test equipment; Ohm meters; Voltmeters | AC current; AC voltage; DC current; DC voltage; Resistance | Comparison with a reference standard | | |

**Capability**

Including calibrations performed in dedicated mobile vans
with Calibration and Measurement Capability of -
DC voltage
230 μV/V + 7 μV from 2 mV to 20 mV;
43 μV/V + 16 μV above 20 mV to 200 mV;
19 μV/V + 130 μV above 200 mV to 2 V;
16 μV/V + 1.3 mV above 2 V to 20 V;
42 μV/V + 16 mV above 20 V to 200 V;
34 μV/V + 130 mV above 200 V to 1000 V

DC current
230 μA/A + 31 nA from 20 μA to 200 μA;
170 μA/A + 200 nA above 200 μA to 2 mA;
150 μA/A + 1.9 μA above 2 mA to 20 mA;
190 μA/A + 27 μA above 20 mA to 200 mA;
610 μA/A + 710 μA above 200 mA to 2 A;
0.16% reading+ 20 mA above 2 A to 20 A

| SERVICE | PRODUCT | DETERMINANT | TECHNIQUE | PROCEDURE | LIMITATIONS |
|---|---|---|---|---|---|

Clamp on ammeters

0.48% reading + 180 mA from 20 A to 100 A;
0.53% reading + 1.3 A above100 A to 1000 A

<u>AC voltage</u>
0.2% reading + 150 µV from 2 mV to 20 mV and at 57 Hz;
750 µV/V + 180 µV above 20 mV to 200 mV and at 57 Hz;
570 µV/V + 650 µV above 200 mV to 2 V and at 57 Hz;
570 µV/V + 6.8 mV above 2 V to 20 V and at 57 Hz;
910 µV/V + 68 mV above 20 V to 200 V and at 57 Hz;
0.12% reading + 340 mV above 200 V to 1000 V and at 57 Hz

<u>AC current</u>
0.18% reading + 550 nA from 20 µA to 200 µA and at 57 Hz;
0.12% reading + 1.6 µA above 200 µA to 2 mA and at 57 Hz;
0.12% reading + 16 µA above 2 mA to 20 mA and at 57 Hz;
0.13% reading + 180 µA above 20 mA to 200 mA and at 57 Hz;
0.26% reading + 3.5 mA above 200 mA to 2 A and at 57 Hz;
0.38% reading+ 35 mA above 2 A to 20 A and at 57 Hz
Clamp on ammeters
0.52% reading + 400 mA from 20 A to 100 A and at 57 Hz;
0.63% reading + 2.4 A above 100 A to 1000 A and at 57 Hz

<u>Resistance</u>
1.2% reading from 1 Ω to 10 Ω;
0.6% reading above 10 Ω to 100 Ω;
0.12% reading + 50 mΩ above 100 Ω to 1 kΩ;
0.12% reading + 500 mΩ above 1 kΩ to 10 kΩ;
0.12% reading + 5 Ω above 10 kΩ to 100 kΩ;
0.12% reading+ 50 Ω above 100 kΩ to 1MΩ;

Insulation resistance testers up to 1kV

1.9% reading from 10 MΩ to 100 MΩ;

Insulation resistance testers up to 5kV

2.6% reading from 100 MΩ to 200 MΩ;
4% reading above 200 MΩ to 300 MΩ;
3% reading above 300 MΩ to 400 MΩ;
2.7% reading above 400 MΩ to 500 MΩ;
2.5% reading above 500 MΩ to 1 GΩ;
3.5% reading above 1 GΩ to 2 GΩ;
5.5% reading above 2 GΩ to 3 GΩ;
3.7% reading above 3 GΩ to 4 GΩ;
3.5% reading above 4 GΩ to 7 GΩ;
3% reading above 7 GΩ to 10 GΩ;
10% reading above 10 GΩ to 50 GΩ;
15% reading above 50 GΩ to 99 GΩ

| | | | | | |
|---|---|---|---|---|---|
| Pressure metrology - Pressure and vacuum measuring equipment | Digital pressure gauges; Mechanical pressure gauges; Vacuum gauges | Gauge pressure | Comparison with reference instrument | MSA Test Method 1 ; MSA Test Method 2 | |

**Capability**

| SERVICE | PRODUCT | DETERMINANT | TECHNIQUE | PROCEDURE | LIMITATIONS |
|---|---|---|---|---|---|
| Including calibrations performed in dedicated mobile vans with Calibration and Measurement Capability of - 0.1% of reading from -95 kPato -7 kPa: 0.5% of reading above -7 kPa to 7 kPa: 0.02 kPa at 0 Pa 0.1% of reading above 7 kPa to 70 MPa: | | | | | |
| Time and frequency metrology - Frequency, time and waveform measuring equipment | Frequency meters | Frequency | Comparison with a reference standard | | |
| **Capability** Including calibrations performed in dedicated mobile vans with Calibration and Measurement Capability of - 52 Hz/MHz from 10 Hz to 100 kHz | | | | | |
| | Tachometers | Rotational speed | Comparison with a reference standard | | |
| **Capability** Including calibrations performed in dedicated mobile vans with Calibration and Measurement Capability of- 0.2% from 600 rpm to 60,000 rpm | | | | | |
| Torque - Torque measuring and testing equipment | Torque wrenches | Torque | Comparison with a reference standard | ASME B 107.300 | |
| **Capability** Including calibrations performed in dedicated mobile vans with Calibration and Measurement Capability of - 1.0% of reading from 1.25 Nm to 1500 Nm | | | | | |

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.
Grey text appearing in a SoA is additional freetext providing further refinement or information on the data in the preceding line entry.

| Accreditation No. | Site No. | Print date |
|---|---|---|
| 15281 | 15902 | 03 Sep 2025 |

END OF SCOPE