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| EDMI NZ Limited | | Client Number 6848 | |
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| Telephone 04 801-4700 | | www.edmi-meters.com | |
| Authorised Representative Clint Meech Operations Manager | | | |
| Programme Metrology & Calibration Laboratory | | | |
| Accreditation Number 754 | | Initial Accreditation Date 11 October 2000 | |
| Conformance Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories | | | |
| Laboratory Services Summary | | | |
| 5.89 | Indicating Instruments and Recording Instruments | | |
| 5.99 | Electricity Authority EIPC 2010 Class A Test House activities | | |
| Key Technical Personnel | | | |
| Adam Harvey | 5.89, 5.99 | | |
| Kedalabo Rentta | 5.89, 5.99 | | |

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|--------------------------------------|--|----------|---------------|-------------|
| Operations Manager Authorisation: | | Issue 40 | Date:20/11/24 | Page 1 of 3 |
|--------------------------------------|--|----------|---------------|-------------|



EDMI NZ Limited
 Metrology & Calibration Laboratory
SCOPE OF ACCREDITATION

Accreditation Number 754

Calibration and Measurement Capabilities (CMC) are expressed as an expanded uncertainty corresponding to a level of confidence of 95 % ^{Note1}.

Measurement results are traceable to the International System of Units (SI) via an unbroken chain of comparisons to the New Zealand National Standards or to the National Standards of other Signatories to the CIPM MRA.

Unless stated elsewhere in this schedule, calibrations are performed at the premises of the accredited laboratory.

| | | |
|-----------------|-----------|-----------------|
| Measurand/Range | Parameter | CMC Uncertainty |
|-----------------|-----------|-----------------|

5.89 Indicating Instruments and Recording Instruments

(I) Energy meters

Calibration of multiple phase energy meters to the accuracy requirements of classes 0.2, 0.5, 1.0 and 2.0 as defined in IEC 62052-11, 62053-21, 22, 23 in accordance with in-house methods.

For nominal voltages 63.5 V, 110 V, 230 V and 240 V and current range 50 mA to 100 A

Active Meters (Wh)

| | |
|--------------------|---------|
| PF | |
| 1.0 (0°) | 0.042 % |
| 0.5 lag (60°) | 0.083 % |
| 0.5 lead (-60°) | 0.083 % |
| 0.8 lag (36.87°) | 0.052 % |
| 0.8 lead (-36.87°) | 0.052 % |
| -1.0 (180°) | 0.050 % |

Reactive Meters (varh)

| | |
|--------------------|---------|
| QF | |
| 1.0 (90°) | 0.062 % |
| 0.6 lead (-36.87°) | 0.104 % |
| 0.6 lag (36.87°) | 0.104 % |
| 0.8 lead (-60°) | 0.077 % |

5.99 Electricity Authority EIPC 2010 Class A Test House activities

(b) Other activities

Calibration of multiple phase energy meters to the accuracy requirements of classes 0.2, 0.5, 1.0 and 2.0 in accordance with EIPC 2010 Part 10 Metering. CMC uncertainties as per 5.89 (I).

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|--------------------------------------|--|----------|---------------|-------------|
| Operations Manager Authorisation: | | Issue 40 | Date:20/11/24 | Page 2 of 3 |
|--------------------------------------|--|----------|---------------|-------------|

CERTIFICATE OF ACCREDITATION




EDMI NZ Limited
Metrology & Calibration Laboratory
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Note 1:

Unless stated otherwise the CMC is based on the performance of the best available device and measurement uncertainties achieved for specific calibrations may be greater than the CMC Uncertainty. A laboratory may not report measurement uncertainties lower than its CMC. However, if the device under calibration has a greater accuracy than the device used to calculate the CMC the laboratory may be able to use the calibration data to lower its CMC Uncertainty. Please contact the laboratory to discuss your specific requirements.

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|--------------------------------------|---|----------|---------------|-------------|
| Operations Manager Authorisation: |  | Issue 40 | Date:20/11/24 | Page 3 of 3 |
|--------------------------------------|---|----------|---------------|-------------|