Australian Government
Department of Industry, Science and Resources

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 14/2/128

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

Schneider Electric (Australia) Pty Ltd model METSEION92030 PowerLogic ION9000 Class 0.2 electricity meter with METSERD192 PowerLogic Remote display

submitted by Schneider Electric (Australia) Pty Ltd
2 Banfield Road
MACQUARIE PARK NSW 2113

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI M 13-1 *Active-Energy Electricity Meters. Part 1: Metrological and Technical Requirements*, June 2022.

This approval is subject to review at the decision of the Chief Metrologist in accordance with the conditions specified in the document NMI P 106.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – certificate issued	03/02/2026

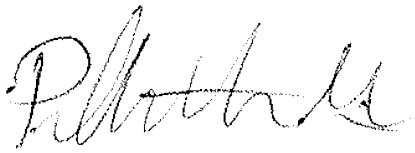
CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 14/2/128' and only by persons authorised by the submittor.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.



Phillip Mitchell
A/g Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No 14/2/128

1. Description of Pattern **approved on 03/02/2026**

A Schneider Electric (Australia) Pty Ltd model METSEION92030 PowerLogic ION9000 polyphase class 0.2 transformer-operated static watt hour meter with METSERD192 PowerLogic Remote display (Figure 1) used to measure electrical energy.

1.1 Field of Operation

The field of operation of the measuring system is determined by the following characteristics:

- Number of phases 3
- Number of wires 4
- Reference frequency 50 Hz
- Reference ambient temperature ranges:
  - specified range of operation (1) −25 to 70 °C
  - limit range of operation −25 to 70 °C
- Rated voltage 3×57.7/100 … 3×400/690
- Rated currents: Rated current, I_n 1 A
  - Maximum current, I_{max} 20 A
- Meter constant 1.8 Wh/imp, or 10 000 imp/kWh
- Accuracy class 0.2S

Note (1): The operating range for the remote display is −25 to 60 °C.

1.2 Features/Functions

- DIN-rail mounting.
- Internal crystal clock.
- Measurement in both positive and negative directions (export and import).

1.3 Verification Provision

Provision is made for the application of a verification mark.

1.4 Sealing Provision

Provision is made for the sealing of devices and parameters that have a metrologically significant effect and that determine the measurement result by the application of mechanical seals (Figure 2) and solid state sealing.

1.5 Descriptive Markings

Instruments are clearly and permanently marked with the following data on the METSEION92030 PowerLogic ION9000 meter in the form shown at right:

Manufacturer's name or mark	……..
Model designation	……..
Number of phases and wires (or symbols)	……..
Serial number	……..
Year of manufacture (1)	……..

Reference (rated) voltage	…….. AC
Rated currents	1(20) A
Reference frequency	50 Hz
Meter constant (with units)	……..
Class (index) of meter (accuracy class)	0.2S
Double square sign (protective class II)	⧈
Environment	Indoor meter or IM
Pattern approval number	NMI 14/2/128

Note (1): The year of manufacture may be presented as 'CALIBRATION DATE' with the format of Year-Week (e.g.2025-15 which would mean week 15 of 2025).

1.6 Remote display unit

The pattern comprises the meter unit (with no display) and the remote display unit connected by a cable.

The remote display unit is the Schneider Electric (Australia) Pty Ltd model METSERD192 PowerLogic Remote display. It features a colour touchscreen 192 mm × 192 mm.

1.7 Harmonics

Instruments purporting to comply with this approval are suitable for use where the harmonics do not exceed those specified in NMI M 13-1:2022.

1.8 Power consumption

The manufacturer specified limit for power consumption for auxiliary circuits is 80 VA.

TEST PROCEDURE No 14/2/128

Instruments tested for verification shall comply with the certificate of approval and technical schedule, and the maximum permissible errors for verifications at the operating conditions in effect at the time of verification.

The maximum permissible errors are specified in the *National Trade Measurement Regulations 2009* (Cth).

Electricity meters shall be verified in accordance with the following National Instrument Test Procedures:

- NITP 14.0 – Utility Meters – general requirements
- NITP 14.2 – Utility Meters – electricity meters

NOTE: NMI reserves the right to vary this procedure. Any such variation shall be notified in writing by NMI.

FIGURE 14/2/128 – 1

(a)

(b)

The pattern comprises (a) METSEION92030 PowerLogic ION9000 and (b) METSERD192 PowerLogic Remote display

FIGURE 14/2/128 – 2

The pattern with typical sealing

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