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21·06·07NITE-AC-006
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Certificate of Accreditation

International Accreditation Japan (IAJapan) hereby accredits the following conformity assessment body as a testing laboratory of ASNITE accreditation program.

Accreditation Identification: ASNITE 0032 Testing

Name of Conformity Assessment Body: Type Test Group Verification Management Division,
Japan Electric Meters Inspection Corporation

Name of Legal Entity: Japan Electric Meters Inspection Corporation

Location of Conformity Assessment Body: 15-7, 4-chome, Shibaura, Minato-ku, Tokyo 108-0023,
JAPAN

Scope of Accreditation: as the following pages

Accreditation Requirement: ISO/IEC 17025:2017*

* The relevant accreditation requirements described in the ASNITE -
T (G) Accreditation Scheme Document are also applied.

Effective Date of Accreditation: 2019-09-19

Expiry Date of Accreditation: 2023-09-18

Date of Initial Accreditation: 2009-07-23

A handwritten signature in black ink, appearing to read 'Kozo Sakamoto', is written over a horizontal line.

SAKAMOTO Kozo

Chief Executive, International Accreditation Japan (IAJapan)

National Institute of Technology and Evaluation

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- International Accreditation Japan (IAJapan) is a laboratory accreditation body which has signed MRAs of ILAC (International Laboratory Accreditation Cooperation) and APAC (Asia Pacific Accreditation Cooperation).
 - MRA requirements are, in addition to relevant international standards and guides, requirements for participation in proficiency testing programs, surveillance and reassessment, and the policy for the traceability of measurement for MRA purpose.
 - This laboratory fulfills ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation means this laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).
 - The latest accreditation information is publicly available on IAJapan Website as an accreditation certificate.

Name of Laboratory : Type Test Group Verification Management Division,
Japan Electric Meters Inspection Corporation
Address : 15-7, 4-chome, Shibaura, Minato-ku, Tokyo 108-0023, Japan
Conformity : Working within Accredited Scope of Type Test Group
Assessment Activities Verification Management Division

<Verification Management Division Type Test Group's Scope of Accreditation>

Effective Date of Accreditation: 2019-09-19				
Materials or Products Tested	Test Type (Testing Method)	Component, Parameter or Characteristic Tested	Testing Method Standards	Notices
Watt-hour meters	Test of electrical performance specified in Article 681 or Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act	Electrical performance	Following test methods specified in JIS C1211- 2(2014) 7.2, JIS C1216-2(2014) 7.2 referred to in Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act JIS C1211-2(2014) 7.2.1 Start-up 7.2.2 Creeping 7.2.3 Influence of self-heating 7.2.4 Current characteristics 7.2.5 Influence of unbalanced load 7.2.6 Temperature characteristics a) 7.2.7 Voltage characteristics a), b) 7.2.8 Frequency characteristic 7.2.9 Influence of an external magnetic field a) 7.2.10 Effect of waveform 7.2.11 Influence of overcurrent a) 7.2.12 Influence of reverse current a) 7.2.13 Effect of voltage unbalance 7.2.14 Influence of interruption to service a), b) 7.2.15 Anti-static a), b) 7.2.16 Effect of impact noise a) 7.2.17 Impact of electromagnetic waves a), b) JIS C1216-2(2014) 7.2.1 Start-up 7.2.2 Creeping a) 7.2.3 Influence of self-heating 7.2.4 Current characteristics 7.2.5 Influence of unbalanced load 7.2.6 Temperature characteristics a)	The watt- meters handled are limited to the types of tables on page 4.

		<p>7.2.7 Voltage characteristics a), b)</p> <p>7.2.8 Frequency characteristic a)</p> <p>7.2.9 Influence of an external magnetic field a)</p> <p>7.2.10 Effect of waveform</p> <p>7.2.11 Influence of overcurrent a), b)</p> <p>7.2.12 Influence of reverse current a)</p> <p>7.2.13 Effect of voltage unbalance</p> <p>7.2.14 Influence of interruption to service a), b)</p> <p>7.2.15 Anti-static a), b)</p> <p>7.2.16 Effect of impact noise a)</p> <p>7.2.17 Impact of electromagnetic waves a), b)</p>
<p>Test of mechanical performance specified in Article 681 or Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act</p>	<p>Mechanical performance</p>	<p>Following test methods specified in JIS C1211-2(2014) 7.3, JIS C1216-2(2014) 7.3 referred to in Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act</p> <p>JIS C1211-2(2014)</p> <p>7.3.1 Mechanism, etc. a), d)</p> <p>7.3.2 Transmitter</p> <p>7.3.3 Output mechanism</p> <p>7.3.4 Influence of inclination a)</p> <p>7.3.5 Influence of vibration a), e)</p> <p>7.3.6 Influence of impact a), e)</p> <p>JIS C1216-2(2014)</p> <p>7.3.1 Mechanism, etc. a), c)</p> <p>7.3.2 Transmitter</p> <p>7.3.3 Output mechanism</p> <p>7.3.4 Influence of inclination a)</p> <p>7.3.5 Influence of vibration a), d)</p> <p>7.3.6 Influence of impact a), d)</p>
<p>Test of insulation performance specified in Article 681 or Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act</p>	<p>Insulation performance</p>	<p>Following test methods specified in JIS C1211-2(2014) 7.5, JIS C1216-2 (2014) 7.5 referred to in Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act</p> <p>JIS C1211-2(2014)</p> <p>7.5.1 Insulation resistance</p> <p>7.5.2 Commercial-frequency withstand voltage</p> <p>7.5.3 Lightning impulse withstand voltage</p> <p>JIS C1216-2(2014)</p> <p>7.5.1 Insulation resistance a)</p> <p>7.5.2 Commercial -frequency withstand voltage a)</p> <p>7.5.3 Lightning impulse withstand voltage</p>

Test of weather resistance specified in Article 681 or Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act	Weather resistance	Following test methods specified in JIS C1211-2(2014) 7.6, JIS C1216-2(2014) 7.6 referred to in Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act JIS C1211-2(2014) 7.6 Test of weather resistance JIS C1216-2(2014) 7.6 Test of weather resistance
Test of material specified in Article 681 or Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act	Material	Following test methods specified in JIS C1211-2(2014) 7.7, JIS 1216-2(2014) 7.7 referred to in Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act JIS C1211-2(2014) 7.7 Test of the material JIS C1216-2(2014) 7.7 Test of the material
Test of temperature rise test of the current coil and terminal specified in Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act	Temperature rise test of the current coil and terminal	Following test methods specified in JIS C1211-2(2014) 7.4, JIS C1216-2(2014) 7.4 referred to in Article 725 of Regulation for Verification and Inspection of Specified Measuring Instruments based on the Measurement Act JIS C1211-2(2014) 7.4 Temperature rise test of the current coil and terminal JIS C1216-2(2014) 7.4 Temperature rise test of the current coil and terminal

The watt-hour meters applicable to the above scopes of test are restricted to those with the following specifications.

Type of meter	Phase and wire	Rated voltage V	Rated current A	Rated frequency Hz
Normal watt-hour meter	Single-phase three-wire	100	120 *1)	50
			60 *1)	
			30 *1)	5 *2)
			5 *2)	
	Three-phase three-wire	110	5 *2)	
		200	120 *1)	
60 *1)				
30 *1)				
5 *2)				

- *1) Type 3 meter: Specified in JIS C1211-2(2014) 3.14 referred to in Article 712 of Regulation for Verification and Inspection of Specified Measuring Instruments
- *2) For connection through instrument transformer: Specified in JIS C1216-2(2014) 3.12 referred to in Article 712 of Regulation for Verification and Inspection of Specified Measuring Instruments

(End of Certificate)