



JAB



Calibration Laboratory

Accreditation Certificate

Accreditation No. RCL00260

**Hirose Electric Co., Ltd.
Testing Center**

14-36, Higashidai, Ichinoseki-shi, Iwate, 021-0822 Japan

meets the following criteria. On the basis of this, Japan Accreditation Board (JAB) grants accreditation to the said calibration laboratory.

Applicable accreditation criteria	: JIS Q 17025:2005 (ISO/IEC 17025:2005)
Scope of accreditation	: Electromagnetics(DC/Low Frequency), Dimensional (As described in the appendix)
Premises covered by accreditation	: As described in the appendix.
Expiry date of accreditation	: November 30, 2020

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system.

The management system requirements in ISO/IEC 17025:2005 meet the principles of ISO 9001:2008 and are aligned with its pertinent requirements.

Revised (6)	February 13, 2018
Renewed (3)	November 22, 2016
Initial accreditation	November 24, 2004

T. Oda, Chairman
Laboratory Accreditation Committee

Y. Mizuka, President
Japan Accreditation Board

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Type of Laboratory	Calibration Laboratory
Name of Laboratory	Hirose Electric Co., Ltd. Testing Center
Address	14-36, Higashidai, Ichinoseki-shi, Iwate, 021-0822 Japan

1) Premises on which calibration activities are performed

Name of Premises	Hirose Electric Co., Ltd. Testing Center		
Address of Premises	Postal Code	021-0822	
Premises Address	14-36, Higashidai, Ichinoseki-shi, Iwate, Japan		
Calibration service at permanent facilities or on site calibration service	<input checked="" type="checkbox"/> Calibration service at permanent facilities <input checked="" type="checkbox"/> On site calibration service		

Scope of Accreditation

CODE OF CLASSIFICATION, QUANTITY MEASURAND / CALIBRATION ITEM	RANGE OF CALIBRATION	EXPANDED UNCERTAINTY (APPROXIMATELY 95 % COVERAGE PROBABILITY, $k = 2$)	CALIBRATION PROCEDURE, REMARKS
M13 Dimensional M13.5 Length and step gauges	Diameter 1 mm to 10 mm Over 10 mm to 30 mm	1.3 μm 1.4 μm	Calibration object : Pin gauge In-house method : M16-4006 Reference Standard : Master pin gauge
M13.17 Micrometers	Scale interval/Reference Resolution : Length 0.01 mm : 0 mm to 75 mm 0.001 mm : 0 mm to 75 mm	[4.2+L/(250 mm)] μm [2.2+L/(200 mm)] μm	Calibration object : External micrometer, Blade micrometer, Crimp height micrometer, Cylinder micrometer, Point micrometer, In-house method : M16-4054 Reference Standard : gauge blocks

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Type of Laboratory	Calibration Laboratory
Name of Laboratory	Hirose Electric Co., Ltd. Testing Center
Address	14-36, Higashidai, Ichimoseki-shi, Iwate, 021-0822 Japan

CODE OF CLASSIFICATION, QUANTITY MEASURAND / CALIBRATION ITEM	RANGE OF CALIBRATION	EXPANDED UNCERTAINTY (APPROXIMATELY 95 % COVERAGE PROBABILITY, $k = 2$)	CALIBRATION PROCEDURE, REMARKS
M13.18 Calipers	Scale interval/Reference Resolution : Length 0.01 mm : 0 mm to 300 mm 0.02 mm : 0 mm to 150 mm 0.05 mm : 0 mm to 300 mm	0.03 mm 0.05 mm 0.11 mm	Calibration object : Vernier caliper, Digimatic caliper, Dial caliper, Constant pressure caliper, Inside caliper, In-house method : M16-4051 Reference Standard : gauge blocks
M11 Electromagnetics (DC/Low Frequency) M11.25 Withstanding voltage tester AC voltage	50 Hz	5,000 V : 2 % 3,000 V : 2 % 2,500 V : 2 % 2,000 V : 2 % 1,000 V : 3 % 500 V : 3 % 300 V : 4 % 200 V : 5 % 100 V : 8 %	Calibration object : Withstanding voltage tester In-house method : M16-4058 Reference Standard : High voltage digital meter
M11.25 Withstanding voltage tester AC current	50 Hz	3 mA : 1 % 2 mA : 2 % 1 mA : 3 % 0.5 mA : 4 %	Calibration object : Withstanding voltage tester In-house method : M16-4058 Reference Standard : Digital multi meter
(NOTE) L:Nominal dimension of gauge blocks			

Japan Accreditation Board