



ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

Resource Instrument & Measurement Enterprise (RIME)

Prabal Housing, House No: 05, Ring Road

Adabar, Mohammadpur, Dhaka

This is to certify that this
Calibration Laboratory

is accredited in accordance with the international standard
ISO/IEC 17025:2017

in respect of the associated scope, subject to the terms and
conditions governing the relevant conformity assessment
body (CAB) accreditation.

Certificate Number : **02.006.17**
Accreditation Date : **27 December 2017**
Date of Issuance : **15 February 2024**
Date of Expiration : **26 December 2026**



Md. Anwarul Alam
Director General

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Resource Instrument & Measurement Enterprise (RIME)
 Building #05 (Ground Floor), Probal Housing, Ring Road, Adabor,
 Mohammadpur, Dhaka-1207

Accreditation Standard: ISO/IEC-17025:2017 **Accreditation Date:** 27 December 2017
Certificate Number: 02.006.17 **Issued on:** 15 February 2024
Last Amended on: 15 February 2024 **Valid until:** 26 December 2026
Amendment no: 01

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
Field: Thermal				
1.	Temperature Sensor/Transmitter (RTD/Thermocouple) / Digital Thermometer/ Temperature	RIME CP-02	-35 °C ~ 100 °C	± 0.50 °C
			100 °C ~ 200 °C	± 0.50 °C
			200 °C ~ 650 °C	± 1.75 °C
2.	Thermo-Hygrometer/ Data Logger/Hygrometer/ Humidity/ Temperature & Humidity Chamber	RIME CP-09	- 5 °C ~ 50 °C	± 0.40 °C
			(20% ~ 95%) RH	± 1.5%RH
Field: Mechanical				
3.	Differential Pressure Gauge/Manometer/ Vacuum Gauge/ (Digital/Analogue) Pressure Gauge/Transmitter (Pneumatic/Hydraulic) (In Lab./Onsite)	RIME CP-01	-2500Pa~+2500Pa	± 8.6 Pa
			- 1 ~ 2 bar	± 0.045 bar
			- 0.85 ~ 69 bar	± 0.45 bar
			0 ~ 1000 bar	± 3.5 bar
4.	Micrometer	RIME CP-03	Up to 100 mm	
			For L.C 0.001 mm	± 2.3 µm
			For L.C 0.01 mm	± 7 µm
5.	Digimatic Caliper/ Vernier Caliper	RIME CP-04	Up to 300 mm	
			For L.C 0.01 mm	± 9 µm
			For L.C 0.02 mm	± 11 µm
6.	Timer/Stopwatch	RIME CP-05	0 ~ 1.234 sec	± 0.09 sec
			1.235 ~ 601.456 sec	± 0.11 sec
			601.457 ~ 1803.402 sec	± 0.21 sec
			1802.403 ~ 3605.911 sec	± 0.21 sec
			3605.912 ~ 28812.344 sec	± 19 sec
			28812.345~86400sec	± 19 sec



Quality Manager

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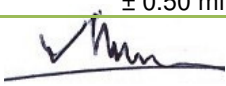
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S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
7.	Lux Meter/ Lux / Light Box	RIME CP-06	0 ~ 10000 Lux	±1.9%
8.	Mass Weights (In Lab./Onsite)	RIME CP-07	1 mg ~ 20 mg	± 0.0010 mg
			50 mg	± 0.0012 mg
			100 mg	± 0.0016 mg
			200 mg	± 0.0020 mg
			500 mg	± 0.0025 mg
			1 g	± 0.0030 mg
			2 g	± 0.0040 mg
			5 g	± 0.0050 mg
			10 g	± 0.0060 mg
			20 g	± 0.0080 mg
			50 g	± 0.0100 mg
			100 g	± 0.0170 mg
			200 g	± 0.0310 mg
			500 g	± 0.0800 mg
			1 kg	± 0.002 g
			2 kg	± 0.020 g
			5 kg	± 0.025 g
			10 kg	± 0.30 g
			20 kg	± 0.30 g
9.	Balance/ Weighing Machine	RIME CP-08	0 ~ 220 g Readability≥0.1 mg	± 0.008 g
			0 ~ 6 kg Readability≥0.01 g	± 0.25 g
			0 ~ 25 kg Readability≥0.5 g	± 0.341 g
			0 ~ 500 kg Readability≥5 g	± 5.5 g
10.	Tachometer (Contact/ Non-Contact)/RPM	RIME CP-10	0 ~ 20000 rpm	± 1.9%
11.	Volumetric Glassware (Pipette/Burette/ Volumetric Flask/ Measuring Cylinder/ Beaker/Jar/Others)	RIME CP-11	5 ml ~ 100ml	± 0.04 ml
			500 ml	± 0.30 ml
			1000 ml	± 0.50 ml


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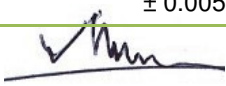
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S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
12.	Dial/Thickness Gauge	RIME CP-12	Up to 100 mm For L.C 0.001 mm For L.C 0.002 mm For L.C 0.01 mm	$\pm 2.1 \mu\text{m}$ $\pm 2.2 \mu\text{m}$ $\pm 7 \mu\text{m}$
13.	Height Level Gauge/ Depth Gauge	RIME CP-13	Up to 300 mm For L.C 0.01 mm For L.C 0.02 mm	$\pm 14 \mu\text{m}$ $\pm 18 \mu\text{m}$
14.	Sound Level	RIME CP-14	94 dB & 114 dB	$\pm 1.1 \text{ dB}$
15.	Liquid Flow Meter/Flow Transmitter (Digital/Analogue) (In Lab./Onsite)	RIME CP-18	0 ~ 550 m ³ /hr	$\pm 0.9\%$
16.	Universal/Tensile/ Compression Testing Machine	RIME CP-19	Compression 10 N ~ 20 Kn Tension 10 N ~ 20 kN	$\pm 0.5\%$
17.	Angle Protractor/ Inclinometer(Digital/Analogue)	RIME CP-20	15 Degree ~ 200 Degree	$\pm 118 \text{ sec}$
18.	Micropipette (Single/Multichannel)	RIME CP-21	1 μl ~ 10 μl 10 μl ~ 100 μl 100 μl ~ 1000 μl 1 ml ~ 10 ml	$\pm 0.0011 \mu\text{l}$ $\pm 0.014 \mu\text{l}$ $\pm 0.056 \mu\text{l}$ $\pm 1.1 \mu\text{l}$
19.	Air Flow/Velocity Meter	RIME CP-104	0.51 m/s ~ 1.14 m/s 1.15 m/s ~ 1.51 m/s 1.52 m/s ~ 5.09 m/s 5.10 m/s ~ 19.91 m/s	$\pm 14.95\%$ $\pm 6.65\%$ $\pm 4.2\%$ $\pm 3.8\%$
20.	Torque Gauge/ Torque Wrench/ Torque Meter/Torque Analyzer	RIME CP-116	0 ~ 48000 kg.cm	$\pm 0.5\%$
Field: Electro-Technical				
21.	Current (AC/DC)	RIME CP-15	1 mA ~ 10 A	$\pm 0.63\%$
22.	Voltage (AC/DC)	RIME CP-16	10 mV ~ 1000 V	$\pm 0.005\%$


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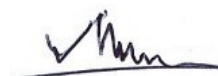
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23.	Resistance	RIME CP-17	1 mΩ ~ 1 Ω	± 0.1%
			1 Ω ~ 10 Ω	± (0.36% ~ 0.05%)
			10 Ω ~ 1000 Ω	± (0.05% ~ 0.02%)
			1000 Ω ~ 4000 Ω	± 0.15%
			4000 Ω ~ 4000 kΩ	± 0.19%
			4000 kΩ ~ 100 MΩ	± 0.22%

*** END ***



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