



ACCREDITATION CERTIFICATE

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

Calibration Laboratory, Dysin International Ltd.

2/K, Road-04, Plot-19, Rupnagar I/A

Mirpur, Dhaka-1216, Bangladesh

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 : 02.003.15
Accreditation Date : 23 August 2015
Date of Issuance : 10 June 2024
Date of Expiration : 28 January 2027




Md. Anwarul Alam
Director General

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

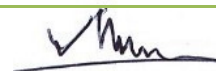
SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: Calibration Laboratory, DYSIN International Ltd.
2/K, Road-04, Plot-19, Rupnagar I/A, Mirpur, Dhaka-1216, Bangladesh.

Accreditation Standard: ISO/IEC 17025:2017 **Accreditation Date:** 23 August 2015
Certificate Number: 02.003.15 **Issued on:** 10 June 2024
Last Amended on: - **Valid until:** 28 January 2027
Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
Field: Mechanical				
01	Volume (Laboratory Glassware)	MM/LG/01	1ml – 3000ml	$\pm (0.013-1.02)$ ml
02	Volume (Laboratory Pipette)	MM/MP/01	10 μ l – 1000 μ l	$\pm (0.15-0.27)$ μ l
03	RPM	MM/SP/01	Contact: 05-8000 RPM; Non- Contact: 05-100,000 RPM	$\pm (1.7 - 2.45)$ RPM; $\pm (2.7 - 5.0)$ RPM
04	Mass	MM/WS/01	1 mg	± 0.0002 g
			2 mg	± 0.0002 g
			*2 mg	± 0.0002 g
			5 mg	± 0.0002 g
			10 mg	± 0.0002 g
			20 mg	± 0.0002 g
			*20 mg	± 0.0002 g
			50 mg	± 0.0002 g
			100 mg	± 0.0002 g
			200 mg	± 0.0002 g
			*200 mg	± 0.0002 g
			500 mg	± 0.0002 g
			1 g	± 0.0002 g
			2 g	± 0.0002 g
			*2 g	± 0.0002 g
			5 g	± 0.0002 g
			10 g	± 0.0002 g
			20 g	± 0.0002 g
			*20 g	± 0.0002 g
			50 g	± 0.0002 g
			100 g	± 0.0008 g
			200 g	± 0.0008 g
			*200 g	± 0.0008 g
			500 g	± 0.003 g
			1 Kg	± 0.08 g



Quality Manager

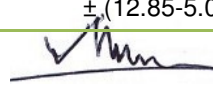
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S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
			2 Kg	± 0.12 g
			*2 Kg	± 0.12 g
			5 Kg	± 0.16 g
			10 Kg	± 1 g
			20 kg	± 1 g
<i>N.B: * double reference standard of weight unit</i>				
05	Electronic Balance E1, E2 & F1 Class Weight (In-house & Onsite)	MM/EB/01	(0-220) g; Readability ≥ 0.01 mg	$\pm (0.00003\text{g to } 0.00061) \text{ g}$
			(0-220) g; Readability ≥ 1 mg	$\pm (0.00003\text{g to } 0.00061) \text{ g}$
			(0-5000) g; Readability ≥ 10 mg	$\pm (0.05 \text{ g to } 0.06) \text{ g}$
06	Length (Steel Scale & Tape)	MM/LM/00	0 - 50 meter	± 0.28 mm
07	Vernier Caliper	MM/DT/00	0.5 – 300 mm	$\pm 0.008\text{mm}$
08	Micrometer	MM/DT/00	0.5 – 25 mm	± 0.013 mm
09	Thickness Gauge	MM/DT/00	0.5 – 100mm	± 0.01 mm
10	Angle	MM/AG/00	0 -90°	$\pm 0.05^\circ$
11	Sound	MM/SM/00	94 & 114 dB	± 0.62 dB
12	Force	MM/FO/00	0-500 N; 500N - 2KN; 2KN – 2000 KN	± 0.22 %; ± 0.13 %; ± 0.11 %
13	Pressure	MM/PG/00	(-1-40) Bar (41-300) Bar (301-700) Bar	± 0.07 Bar ± 0.36 Bar ± 0.84 Bar
Field: Thermal				
14	Temperature	MM/TC/01	(-20 – 600)°C	$\pm (0.32- 0.81)^\circ\text{C}$
15	Irradiance	MM/CR/01	(0 – 1.30) w/m ²	$\pm 5.52\%$
16	Lux Meter	MM/LI/00	(0 – 99990) Lux	$\pm (12.85-5.00)\%$


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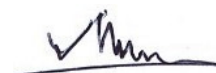
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17	Thermo-Hygrometer	MM/HM/00	(-40 – 85)°C; (0- 100) %RH	± 0.3 °C; ± 0.85% RH
Field: Electro-Technical				
18	Time (Stopwatch, Counter)	MM/SW/01	1 sec – 24 Hours	± (0.2- 11) Sec
19	DC Current	MM/MF/00	2- 10 mA	± 0.23 %
			10- 15 mA	
			15- 22 mA	
20	DC Voltage	MM/MF/00	10 – 200 mV	± 0.06%
			200 – 700 mV	
			700 – 1000 mV	
			1 – 5 V	
			5 – 10 V	
21	Frequency	MM/MF/00	5 – 200 HZ	± 0.17%
			200 – 700 HZ	
			700 – 1000 HZ	
			1 – 20 KHZ	
			20 – 50 KHZ	
22	Resistance	MM/MF/00	0.1 - 200Ω	± 0.0577Ω -.6691KΩ
			200- 700Ω	
			700- 1000Ω	
			1 – 5 KΩ	
			5 – 10 KΩ	
23	AC Voltage	MM/AC/00	50- 350 V	± (0.40 – 0.06) %
Field: Flow				
24	Flow (Liquid, Gas & Steam)	MM/FM/00	Pipe Size: (8-508) mm	± 2.50 % of rdg
25	Velocity	MM/VM/00	1-30 m/s	± (0.18 – 1.54) m/s

END



Quality Manager