



ACCREDITATION CERTIFICATE

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

Instrumentation Engineering Services Ltd.

Building: 296/A (Unit: D1, D2 & E1) & Building: 297 (Ground Floor),

Road: 19/B, New DOHS, Mohakhali, Dhaka-1206.

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 : **02.005.15**
Accreditation Date : **25 October 2015**
Date of Issuance : **23 March 2020**
Date of Expiration : **24 October 2021**



Md. Monwarul Islam
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: Instrumentation Engineering Services Ltd.
Building: 296/A (Unit: D1, D2 & E1) & Building: 297 (Ground Floor),
Road: 19/B, New DOHS, Mohakhali, Dhaka-1206.

Accreditation Standard: ISO/IEC 17025:2017 **Accreditation Date:** 25 October 2015
Certificate Number: 02.05.15 **Issued on:** 23 March 2020
Last Amended on: 23.03.2020 **Valid Until:** 24 October 2021
Amendment no: 04

S.N Measured quantity Instrument/Gauge	Reference to Method	Measurement Range/Value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
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Field: Thermal

01

Temperature Semi Standard Platinum Resistance Thermometer	IESL CP 01	0°C to 200°C	± 0.20°C
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02

Humidity

Hygrometer	IESL CP 19	(5 to 95) %	±2%
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Field: Mechanical

03

Pressure Digital Pressure Gauge	IESL CP 02	0 Bar to 60 Bar	±0.05 Bar
		61 Bar to 90 Bar	±0.07 Bar

04

Measuring Tape Tape Calibrator	IESL CP 03	Up to 50 mtr	±{490+(√L/1000)} μm Up to 1000mm ±{490*(√L/1000)} μm >1000mm (L is in mm)
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05

Steel Scale	IESL CP 04	Up to 150 cm	±{490+(√L/1000)} μm (L is in mm)
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Quality Manager

Tape Calibrator

06

External Micrometer IESL CP 05

Gauge Block

LC-0.001mm	0-600mm	$\pm 1\mu\text{m}$
LC-0.01mm	0-600mm	$\pm 7\mu\text{m}$

07

Plunger Dial Gauge IESL CP 06

Gauge Block

LC-0.001mm	0-12mm	$\pm 4\mu\text{m}$
LC-0.01mm	0-10mm	$\pm 10\mu\text{m}$

08

Vernier Caliper IESL CP 07

Gauge Block

LC-0.01mm	0-600mm	$\pm 12\mu\text{m}$
LC-0.01mm	0-600mm	$\pm 18\mu\text{m}$
LC-0.02mm	0-600mm	$\pm 25\mu\text{m}$

09

Mass Weights IESL CP 08
(Conventional Weights)

1-5mg	$\pm 0.06\text{mg}$
10mg	$\pm 0.08\text{mg}$
20mg	$\pm 0.10\text{mg}$
50mg	$\pm 0.12\text{mg}$
100mg	$\pm 0.16\text{mg}$
200mg	$\pm 0.20\text{mg}$
500mg	$\pm 0.25\text{mg}$
1g	$\pm 0.3\text{mg}$
2g	$\pm 0.4\text{mg}$
5g	$\pm 0.5\text{mg}$
10g	$\pm 0.6\text{mg}$
20g	$\pm 0.8\text{mg}$
50g	$\pm 1.0\text{mg}$
100g	$\pm 1.6\text{mg}$
200g	$\pm 3.0\text{mg}$
500g	$\pm 8.0\text{mg}$
1kg	$\pm 16\text{mg}$
2kg	$\pm 30\text{mg}$
5kg	$\pm 80\text{mg}$
10kg	$\pm 160\text{mg}$
20kg	$\pm 300\text{mg}$


Quality Manager

10

Mass Balance IESL CP 09 0 to 220 g $\pm 0.04\text{mg}$
E1/E2/M1 Class weight
 (On site & lab)

Readability

 $\geq 0.1 \text{ mg}$

 0 to 1.2 kg

Readability

 $\pm 0.02\text{g}$
 $= 0.01 \text{ g}$

 0 to 12 kg

Readability

 $\pm 1.6\text{g}$
 $\geq 1 \text{ g}$

 0 to 100 kg

Readability

 $\pm 5.5\text{g}$
 $\geq 5 \text{ g}$
11

Time IESL CP 13 0-30min $\pm 1.5 \text{ s}$
 Stop Watch

12

Light Intensity
Lux Meter IESL CP 24 up to 16000 Lux $\pm 4.1\%$


13

RPM IESL CP 25 100-12000 RPM $\pm 1.6\text{RPM}$
Digital Tachometer

14

Volumetric Glassware
Analytical Balance IESL CP 12 Up to 500 ml $\pm (0.06-0.5) \text{ ml}$

End


 Quality Manager