National Accreditation Board for Testing and Calibration Laboratories

# CERTIFICATE OF ACCREDITATION

## AMETEK INSTRUMENTS INDIA PRIVATE LTD.

**has been assessed and accredited in accordance with the standard**

## ISO/IEC 17025:2017

## "General Requirements for the Competence of Testing & Calibration Laboratories"

**for its facilities at**

**#148, DIVYASREE NR ENCLAVE, BLOCK-A &B,, 4TH FLOOR,SITE#1, EPIP INDUSTRIAL AREA, WHITEFIELD, BENGALURU, KARNATAKA, INDIA**

**in the field of**

## CALIBRATION

**Certificate Number:** CC-2041

**Issue Date:** 31/03/2021 **Valid Until:** 30/03/2023

**This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.**
**(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)**

**Name of Legal Identity :** Ametek Instruments India Private Limited

**Signed for and on behalf of NABL**

N. Venkateswaran
Chief Executive Officer

# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** AMETEK INSTRUMENTS INDIA PRIVATE LTD., #148, DIVYASREE NR ENCLAVE, BLOCK-A &B,, 4TH FLOOR, SITE#1, EPIP INDUSTRIAL AREA, WHITEFIELD, BENGALURU, KARNATAKA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** CC-2041 **Page No** 1 of 3

**Validity** 31/03/2021 to 30/03/2023 **Last Amended on** -

| S.No | Discipline / Group | Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument | Calibration or Measurement Method or procedure | Measurement range and additional parameters where applicable(Range and Frequency) | * Calibration and Measurement Capability(CMC)(±) |
|---|---|---|---|---|---|
| Permanent Facility | | | | | |
| 1 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer/thermometer | Using RTD sensor with Temperature Indicator,IR Thermometer, Black Body Furnaces of emissivity =0.995 by Comparison Method | 0 °C to 300 °C | 1.24°C |
| 2 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer/thermometer | Using IR Thermometer, Black Body Furnaces by Comparison Method, Emissivity is 0.998 | 1000 °C to 1200 °C | 2.96°C |
| 3 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer/thermometer | Using IR Thermometer, Black Body Furnaces by Comparison Method, Emissivity is 0.998 | 1200 °C to 1400 °C | 3.45°C |
| 4 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer/thermometer | Using IR Thermometer, Black Body Furnaces by Comparison Method, Emissivity is 0.998 | 1400 °C to 1500 °C | 3.5°C |
| 5 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer/thermometer | Using IR Thermometer, Black Body Furnaces by Comparison Method, Emissivity is 0.998 | 1500 °C to 1600 °C | 3.71°C |

# SCOPE OF ACCREDITATION

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|---|---|
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| **Accreditation Standard** | ISO/IEC 17025:2017 |
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|---|---|---|---|---|---|
| 6 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer/thermometer | Using RTD sensor with Temperature Indicator,IR Thermometer, Black Body Furnaces of emissivity =0.995 by Comparison Method | 300 °C to 550 °C | 1.25°C |
| 7 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer/thermometer | Using IR Thermometer, Black Body Furnaces by Comparison Method, Emissivity is 0.998 | 550 °C to 1000 °C | 2.41°C |

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|---|---|---|---|---|---|
| Site Facility | | | | | |
| 1 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer /thermometer | Using IR Thermometer, Black Body Furnaces of Emissivity=0.98.00 by Comparison Method | 0°C to 150°C | 1.0 °C |
| 2 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer/thermometer | Using IR Thermometer, Black Body Furnaces of Emissivity= 0.98 by Comparison Method | 1000 °C to 1200 °C | 3.39°C |
| 3 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer/thermometer | Using IR Thermometer, Black Body Furnaces of Emissivity =0.98 by Comparison Method | 150 °C to 400 °C | 2.7°C |
| 4 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer/thermometer | Using IR Thermometer, Black Body Furnaces at Emissivity = 0.98 by Comparison Method | 400 °C to 700 °C | 2.54°C |
| 5 | THERMAL-TEMPERATURE | Non Contact IR Pyrometer/thermometer | Using IR Thermometer, Black Body Furnaces by Comparison Method, Emissivity is 0.98 | 700 °C to 1000 °C | 2.8°C |

*** CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.**