



## Notice of Changes to the Thermometer Traceability System

September 29, 2025

To whom it may concern,

OPTEX FA Co., Ltd. appreciates and values your business.  
We would like to inform you about the changes to our non-contact thermometer traceability system.

### 1. Affected Products

Non-Contact Thermometers:

- All-in-one Type: BA Series
- Separate Type: BS Series
- IO-Link compatible, M18 Cylindrical Type: SA-80 Series
- Compact Type: CS Series

Portable Non-Contact Thermometers:

- Waterproof and Shock Resistant Type (High resolution): PT-7LD
- Waterproof and Shock Resistant Type: PT-5LD
- Long Range with Narrow FOV Type: PT-80 Series

Calibration Services for Our Thermometers

### 2. Details of Change

The standard instruments incorporated in the calibration traceability of the above products will be changed as follows:

Before Change	After Change
Reference Platinum Resistance Thermometer Digital Thermometer Mono-Chromatic Radiation Thermometer Reference Black body for Low Temperature Non-contact Thermometer for Inspection	Reference Broadband Radiation Thermometer

### 3. Reason for Change

To improve measurement accuracy.

For further details, please refer to the attached document or contact OPTEX FA.

### 4. Effective Date

- |                                    |  |
|------------------------------------|--|
| • For newly manufactured products: | Products with serial numbers starting with 2539    |
| • For Recalibration requests:      | Products calibrated on or after September 22, 2025 |

Thank you very much for your support for OPTEX FA products.

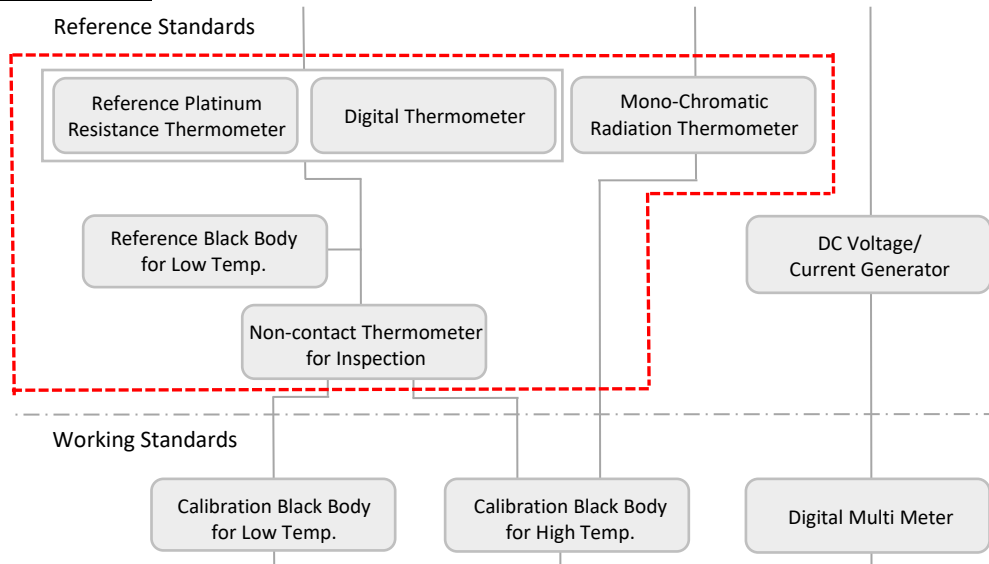
Sincerely,  
International Sales Department  
OPTEX FA Co., Ltd.

## Attachment

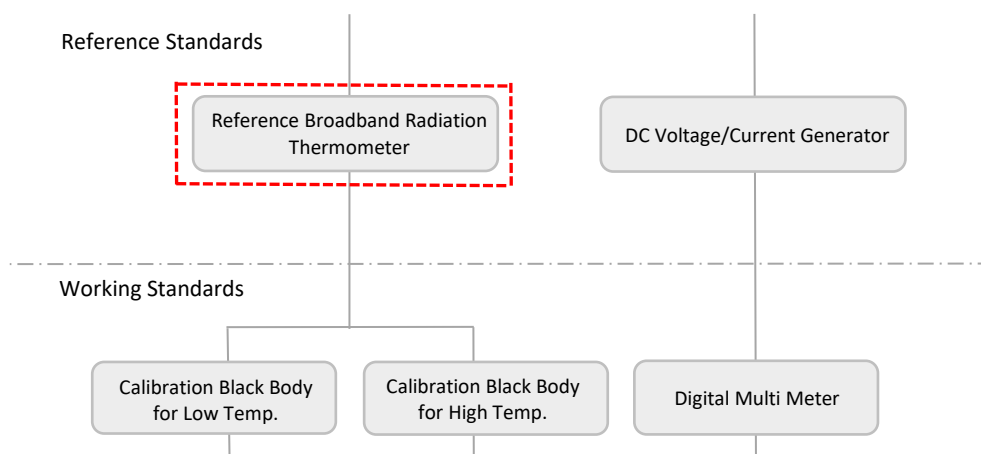
### 1. Details of the Change

We will change the traceability system within the red frame in the diagram below.

#### Before Change



#### After Change



- We will discontinue the use of the following previously utilized instruments: Reference Platinum Resistance Thermometer, Digital Thermometer, Reference Black body for Low Temperature, Non-contact Thermometer for Inspection, and Mono-Chromatic Radiation Thermometer. Instead, we will introduce a new instrument: Reference Broadband Radiation Thermometer.
- By reducing the hierarchy of standard instruments, calibration errors and other uncertainties can be minimized, leading to improved measurement accuracy.

### 2. Impact of the Change

The traceability system diagram issued when calibration documents are requested will be updated as shown on the next page.

There will be no impact on product specifications, measured values, or future recalibrations.



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## トレーサビリティ体系図 / Traceability Chart

国家計量標準 / National Measurement Standards

産業技術総合研究所 / National Institute of Advanced Industrial Science and Technology (AIST)  
日本電気計器検定所 / Japan Electric Meters Inspection Corporation (JEMIC)

標準器 /  
Reference Standards

標準白金測温抵抗体  
Reference Platinum  
Resistance Thermometer

標準デジタルサーモメータ  
Digital Thermometer

標準単色放射温度計  
Mono-Chromatic  
Radiation Thermometer

低温域標準黒体炉  
Reference Black Body  
for Low Temp.

標準直流電圧/電流発生器  
DC Voltage/Current  
Generator

検定用放射温度計  
Non-contact Thermometer  
for Inspection

作業用計測器 /  
Working Standards

低温域比較黒体炉  
Calibration Black Body  
for Low Temp.

高温域比較黒体炉  
Calibration Black Body  
for High Temp.

デジタルマルチメータ  
Digital Multi Meter

校正対象（製品） /  
Calibration object (Products)

放射温度計  
Non-contact Thermometer

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産業技術総合研究所 / National Institute of Advanced Industrial Science and Technology (AIST)  
日本電気計器検定所 / Japan Electric Meters Inspection Corporation (JEMIC)  
ドイツ国立理工学研究所 / Physikalisch-Technische Bundesanstalt (PTB)

標準器 /  
Reference Standards

標準広帯域型放射温度計  
Reference Broadband Radiation  
Thermometer

標準直流電圧/電流発生器  
DC Voltage/Current Generator

作業用計測器 /  
Working Standards

低温域比較黒体炉  
Calibration Black Body  
for Low Temp.

高温域比較黒体炉  
Calibration Black Body  
for High Temp.

デジタルマルチメータ  
Digital Multi Meter

校正対象(製品) /  
Calibration object (Products)

放射温度計  
Non-contact Thermometer

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