



# Certificate of Calibration

## Temperature Sensor Measurement

Certificate No. : 0210-23-HI-CAL-10D

### Customer Information

Company Name PT. Bhumi Jati Power  
Address PLTU Tanjung Jati B Unit 5&6 Tubanan, Kembang, Jepara - Jawa Tengah  
Contract No. C-BJP-23-0008-OTH

### Instrument Information

KKS No. 50MAC20CT035 Range 0 ~ 400  
Instrument Description LP TURBINE LAST STAGE BLADE A TEMPERATURE Unit °C  
Manufacture YAMARI SANGYO Out. Signal -  
Model T/C, LEAD WIRE TYPE(TYPE-E:Double Element) Max. Deviation 4 °C  
Serial Number - Cal. Date 28-05-2023  
Instrument Location Turbin Lt. 3 Temp. Element Thermocouple Type E

### Environment Condition

Temperature 29.9 °C  
Humidity 49 % RH

### Calibration Result

| Data Reading |            |            |           |        |         |            |            |           |        |
|--------------|------------|------------|-----------|--------|---------|------------|------------|-----------|--------|
| As Found     |            |            |           |        | As Left |            |            |           |        |
| Input        | Std Output | Output UUT | Deviation | Result | Input   | Std Output | Output UUT | Deviation | Result |
| [°C]         | [°C]       | [°C]       |           |        | [°C]    | [°C]       | [°C]       |           |        |
| 40           | 40.000     | 38.900     | -1.100    | Pass   |         |            |            |           |        |
| 100          | 100.000    | 99.200     | -0.800    | Pass   |         |            |            |           |        |
| 200          | 200.000    | 199.300    | -0.700    | Pass   |         |            |            |           |        |
| 300          | 300.000    | 299.400    | -0.600    | Pass   |         |            |            |           |        |
| 400          | 400.000    | 399.500    | -0.500    | Pass   |         |            |            |           |        |

### Standard Reference

| Description                            | Serial Number | Certificate Number | Calibration Date |
|--|---------------|--------------------|------------------|
| FIK-754 DOCUMENTING PROCESS CALIBRATOR | 3611011       | S. 22 011 747      | 23-11-2022       |

### Calibration Method

0002/SOP\_BJS/2023  
Procedure of Calibration Temperature Element and Temperature Transmitter

This certificate comprise of 1 page  
Date of issue, 29-05-2023

Customer Signature,

Ayrton Humardani Putradhi

Approved Signature,

HERVITAMA  
INDONESIA  
Arief Gunawan

Calibrated by,

Khabib Mundzirul Umam

**PT. HERVITAMA INDONESIA**

ELECTRICAL - INSTRUMENTATION - ENGINEERING

Puri Indah DA - 18 Sidoarjo 61224, Telp. (031) 8073636 - 39, Fax: (031) 8074269