

**TSP Calibration, Inc.**

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**Certificate of Calibration**

Certificate No TSP-06232025-020

<b>Gage ID</b> PEA-170393304 <b>Gage S/N</b> 170393304 <b>Description</b> UT Flaw Detector <b>Operating Procedure:</b> CP-060812 <b>Unit of Meas.</b> <b>Manufacturer</b> Olympus <b>Cal. Date</b> 6/23/2025 <b>Next Due</b> 6/23/2026 <b>Cal. Freq.</b> 1.00 Years <b>Location</b> Lab	<b>Environmental Conditions</b>  <b>Temperature</b> 68 +/- 2 deg F <b>Humidity</b> 20-55%  <b>Approved</b> Yes <b>Customer Info.</b> Peak NDT
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**Certification Statement**

TSP Calibration, Inc. calibration systems complies with the requirements of ISO 9001:2015. The equipment that is certified by this certificate has been calibrated by standards that have accuracy which is traceable to standards of the National Institute of Standards and Technology.

**Findings**

Additional document is attached.

AS FOUND: PASSED AS LEFT: PASSED

This calibration was performed in accordance with ASTM E317.

Standard used for calibration: IIW-Type1 Block Serial: 19348 Due Date: 06/17/27

IIW Type1 Block is traceable to NIST by the following numbers: 39671S, 42120P, 38986R

Calibrated By Taichi Daimo Signature  Date: 6/23/2025

**APPROVED****By Kayla Myers at 11:19 am, Jun 27, 2025**

# Control Procedure (CP-060812)

## Calibration Work Sheet (WS-060812)

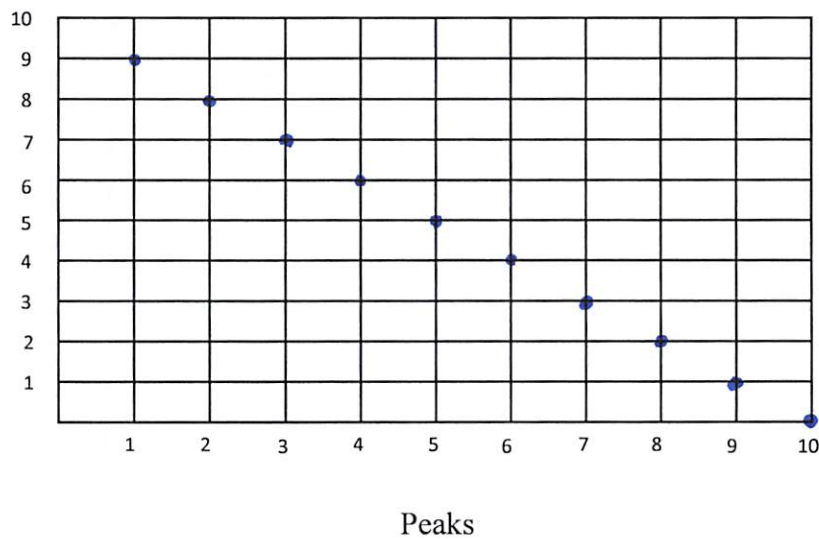
Manufacturer Olympus Model Epoch 650

Serial Number 170393304 Condition Good

Control Block Serial Number IIW-Type1 Block S/N: 19348

Control Block Due Date: 6/17/2027

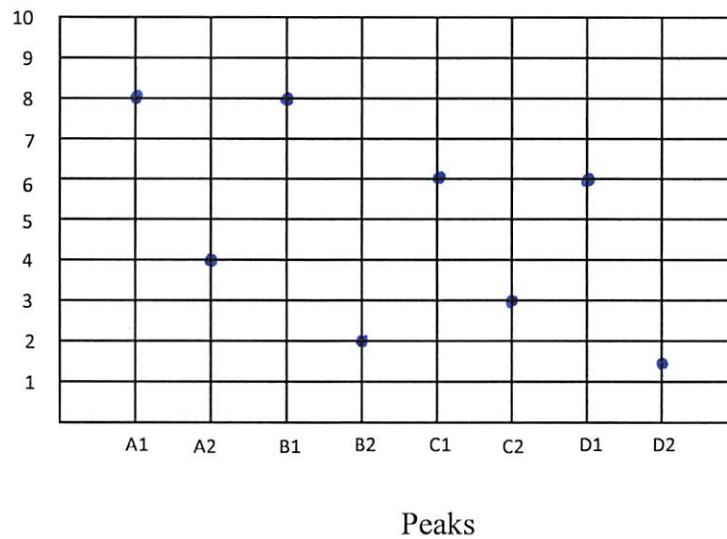
Action Needed Calibration



### Horizontal Linearity

Using a 10" screen range on a 1" precision block, balance the signals between the velocity and delay. Record / plot the position of each peak in reference to horizontal position on the screen of instrument.

## Calibration Work Sheet (WS-060812)



### Vertical Linearity

- Step A1 - Choose signal and adjust gain to achieve 80% Full Screen Height and plot.
- Step A2 - Subtract 6 dB's from original gain to obtain a 2 to 1 ratio and plot.
- Step B1 - Choose signal and adjust gain to achieve 80% Full Screen Height and plot.
- Step B2 - Subtract 12 dB's from original gain to obtain a 4 to 1 ratio and plot.
- Step C1 - Choose a signal and adjust gain to achieve 60% Full Screen Height and plot.
- Step C2 - Subtract 6 dB's from original gain to obtain a 2 to 1 ratio and plot.
- Step D1 - Choose a signal and adjust gain to achieve 60% Full Screen Height and plot.
- Step D2 - Subtract 12 dB's from original gain to obtain a 4 to 1 ratio and plot.