

TSP Calibration, Inc.

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Certificate of Calibration

Certificate No TSP-06262026-022

<p>Gage ID SDM-170393304 Gage S/N 170393304 Description UT Flaw Detector Operating Procedure: CP-060812 Unit of Meas. Manufacturer Olympus Cal. Date 6/26/2026 Next Due 6/26/2027 Cal. Freq. 1.00 Years Location Lab</p>	<p>Environmental Conditions</p> <p>Temperature 68 +/- 2 deg F Humidity 20-55%</p> <p style="text-align: center;">Approved Yes Customer Info. SDM</p>
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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

SO 1057958 JOB 15911

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: 6/26/2026

APPROVED
 By Kayla Myers at 3:33 pm, Jul 06, 2026

Control Procedure (CP-060812)

Calibration Work Sheet (WS-060812)

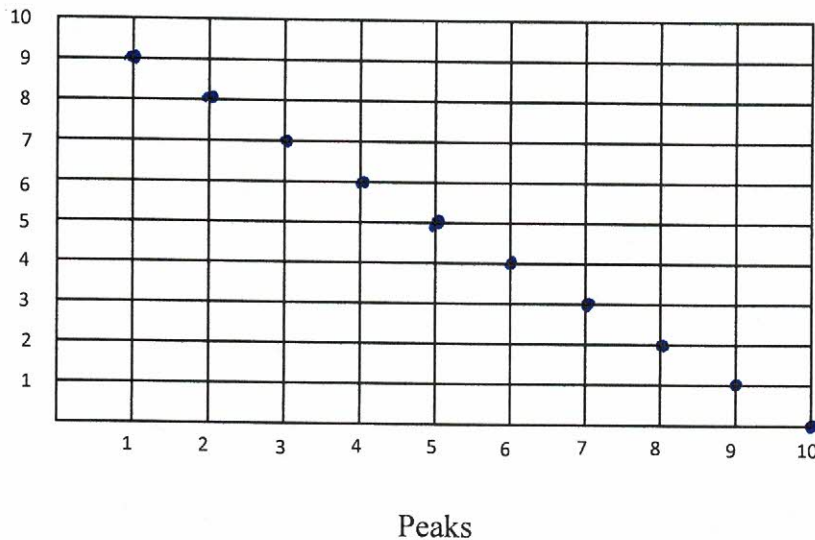
Manufacturer Olympus Model Epoch 650

Serial Number 170393304 Condition Good

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

Control Block Due Date: 6/17/2027

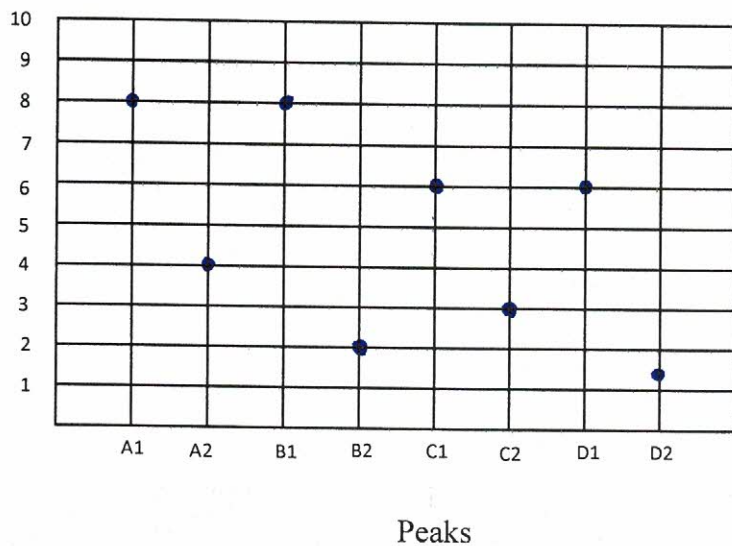
Action Needed Calibration



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.