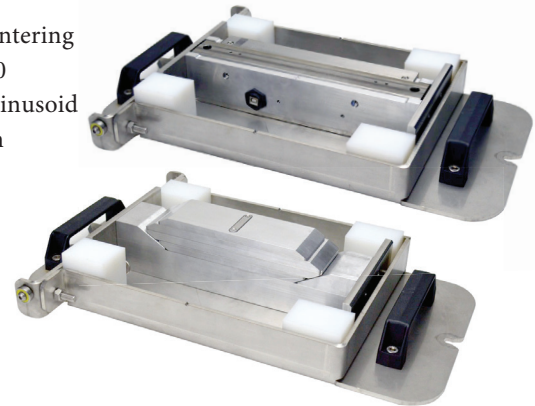


FAST AND ACCURATE VERIFICATION AND CALIBRATION DEVICE FOR YOUR HAMBURG WHEEL TRACKER

The **InstroTek HWT-Pro** is a comprehensive system designed to verify and monitor all the requirements of the AASHTO T324 test method and recommendations of NCHRP Project 20-07 Task 361. The HWT-Pro measures and reports the wheel load, wheel position, wheel speed, waveform, rut depth sensor data and water temperature. The included HWT-Spec Software brings it all together with a simple and user friendly PC application which walks the user through a series of steps to verify all parameters. Once the data is collected the software produces a report showing compliance with the AASHTO T324 requirements.

The HWT-Pro fits inside the Hamburg Wheel Tracker sample trays with centering spacers to verify all major brands*. The wheel position is measured every 10 milliseconds allowing the HWT-Pro to precisely fit the wheel's motion to sinusoid and determines its deviation (RMSE). The HWT-Pro includes a verification system which reports rut depth at the contact point of the wheel, not just the LVDT measurements. This ensures a more realistic displacement verification of your unit. Also included in the HWT-Pro is an accurate NIST traceable temperature indicator.

Now pavement engineers and asphalt lab practitioners have a user-friendly device that allows them to safely and accurately check the performance of their Hamburg Wheel Tracker prior to the start of a project, after a long period of nonuse, and provides the capability to calibrate their unit if necessary.



ADVANTAGES

- ▶ **Verifies all AASHTO T-324 measurement requirements**
- ▶ Meets recommendations of NCHRP Project 20-07 Task 361
- ▶ Measures wheel load, wheel center point, waveform, displacement, and water temperature
- ▶ Can measure both static and dynamic wheel load
- ▶ Checks accuracy of the wheel motion versus sinusoid
- ▶ Check calibration quality before a project or after long periods of nonuse
- ▶ Quickly diagnose and trouble shoot issues with your equipment
- ▶ Provides capability for calibration of your unit
- ▶ HWT-Spec PC Software easily captures and reports verification results
- ▶ HWT-Pro comes with NIST Traceability Certificate

HWT-PRO™

HAMBURG VERIFICATION DEVICE

SPECIFICATIONS

Static Load Measurement	+/- 0.2 lb at 158 lbs.
Center Offset Measurement	+/- 0.05 inches
Track Length Measurement	Up to 9 inches (+/- 0.05)
Wave Form Analysis	RMSE Least Squares from Sin Wave
Temperature Measurement	+/- 0.3 degree C
Software	HWT-Spec
Computer	Windows 7 and up
Power	USB power supplied from computer

**Please contact InstroTek for supported units.*