



TransTech
Systems, Inc.

PTS 3000

Pavement Temperature Sentry

- ▶ Consistent and Accurate Asphalt Mat Temperatures On-the-Run
- ▶ Eliminates the need for portable gun and associated labor
- ▶ Fits any new or used roller
- ▶ Bright red LED display for excellent day-night visibility
- ▶ Easy to install and monitor
- ▶ Great on perpetual pavement, SMA and polymer-modified mix surfaces





The PTS 3000

TransTech's Model PTS Pavement Temperature Sentry has been designed and built to provide accurate asphalt mat temperatures right at the roller operator station.

The PTS is the perfect accessory tool for paving contractors attempting to meet tough density and smoothness specs, especially on perpetual pavement, SMA and polymer-modified surfaces. It eliminates the need for a portable temperature gun and the labor to run

it, and is far more convenient and safer for the roller operator to use.

The system includes a temperature display module that mounts quickly and easily at the roller operator station or other location for easy monitoring of the mat temperature beneath. A bright red LED display is visible up to 30 feet away during either daytime or nighttime paving operations.

An infrared sensor module mounts beneath the roller. It features sophisticated environmental compensation algorithms and a unique air purging system that withstands the steamy and dusty conditions encountered while paving.

The Pavement Temperature Sentry is an extremely useful tool that can be designed into the roller by the OEM, added by the dealer looking to enhance the value of his rental roller fleet, or installed in the field by the dealer or contractor. Installation takes about two hours.

Don't Believe Us?

Here's what the industry has to say about the TransTech PTS:

"The TransTech temperature sensor is really something! It gave our breakdown roller operators continuous readout of the temperature of the mix during compaction. We made sure we maximized our compactive effort when the mix was hot – especially in shaded areas where mix temperature was dropping faster."

*Rich Frank, Vice President
Eastern Industries, Inc.
Center Valley, Pennsylvania*

"The new bright red LED display is just what we needed. Our crew managers and quality control people are able to see the readout from over 30 feet away!"

*George Vacek, Manager Quality Control
Smith and Company
Conroe, Texas*

"No roller should be without an on-board temperature device such as the TransTech Temperature Sentry when compacting hot mix, especially during Superpave operations."

*Chuck Deahl
Compaction America, Inc.*

PTS 3000 SPECIFICATIONS

- Power – 12 VDC
- Current – 1.0 A@ 12 VDC
- Temperature Units – ° F ° C (user selectable)
- Temperature Range – 50° F to 350° F 10° C to 175° C
- Temperature Resolution – 1° F 1° C
- Accuracy – 1.5% of full scale
- Character Height – 0.80 in. (20.3 mm)
- Sensor Type – Infrared
- Emissivity – 0.95
- Response Time – 100 ms
- Shock – 50 G's



Simple Solutions to Not-So-Simple Problems

