

Tire Pressure Sensor Test System



A proven, robust plant-floor system that initializes TPS-equipped vehicles

Product features

Plant-floor system (end-of-line, spare tire, tire room)

- Multiple, optimized, Dynetics-designed activation antennae
- Activate & initialize Schrader, Siemens, Continental, Lear, TRW sensors and more in wheels
- 125-KHz transmitter; MLF and CW support with adjustable power levels
- 315 MHz & 433 MHz RF receivers (AM & FM)
- PC-based controller with PLC-controlled I/O
- Network interface to plant information systems
- Flexible and small line space installation
- VIN retrieval via barcode scanner or plant information systems
- Server-based reporting and alarm notification

Portable reader

- 125-KHz transmitter; MLF and CW support with adjustable power levels
- 315 MHz & 433 MHz RF receivers (AM & FM)
- 802.11(a/b/g/n) wireless support (no cradle)
- Graphics display operator interface
- Integrated barcode scanner
- Readily available rechargeable battery
- Image-based graphical user interface (universal translation)
- Shorter operator training time
- Onboard internal diagnostics
- Activates and initializes the same sensors as line side
- CAN-based capabilities
- USB port for simplified configuration
- Unit can swap between TPMS functions that can program the TPM IDs directly into the vehicle module and the PTU capabilities used at end of line link based testing
- Activates and initializes the same sensors as line side

Full-service solutions from customer specifications to operations

Dynetics is a technology leader in plant-floor radio frequency designs utilized in Tire Pressure Sensor Test Systems (TPSTS). These systems are completely developed and fully supported by our in-house team. Dynetics TPSTS equipment is currently deployed in more than 20 plants for multiple OEMs and Tier 1 suppliers internationally.

The Dynetics system consists of a plant-floor controller with multiple activation antennae and RF receivers for production line operations. The system interfaces with the plant information systems for build data and sending tire pressure sensor (TPS) IDs. Dynetics offers a fully redundant configuration for maximum availability. Support for spare tire and tire room-only configurations is also provided. Wireless repair tools allow the operator to move around the vehicle untethered and interface with the plant information systems in real time.

Dynetics' design utilizes advanced discrimination techniques to ensure that the sensor of interest is processed while interfering signals are ignored. This feature ensures high reliability in obtaining and processing the sensor IDs.

Innovating Unique Capabilities Since 1974

At Dynetics, we help customers accomplish complex, high-value missions. By combining the capabilities of a large business with the responsiveness of a small business, Dynetics put in place extensive R&D capabilities and deep technical expertise in systems engineering, systems analysis, modeling and simulation, cyber, software development, rapid prototyping, test and evaluation, manufacturing, integration, and operations. Using our considerable engineering, scientific, and other technical resources, we help customers identify, analyze, and respond to complex threats to their missions.



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