

CALLISTO: PROTAMP

Inertial track geometry integrated with tamper



CALLISTO



DESCRIPTION

The Callisto Track Geometry System Suite is an economic solution that provides reliable, precise, and accurate inertial based track geometry data for use with tampers.

Callisto: ProTamp is built on a rugged inertial measurement unit containing a GPS receiver, along with an industrial laser/camera based gauge measurement system, industry standard track geometry channels are generated and communicated to the tamper. This allows for high speed pre-recording without requiring deployment of the traditional geometry buggies. With operational speeds exceeding 25mph, tamper productivity and quality can be increased.



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FEATURES

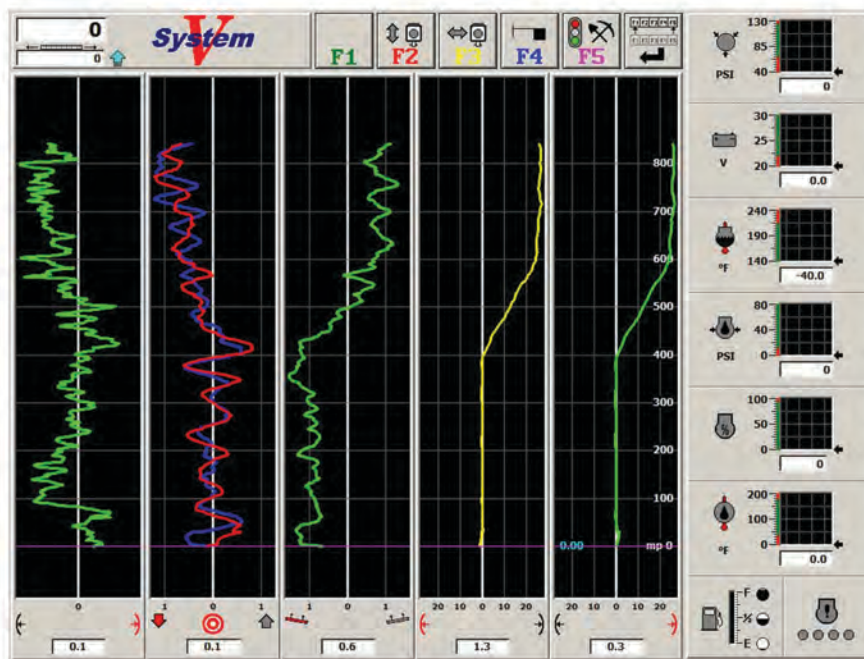
- Non-contact inertial track geometry measurement system that is fully integrated with Harsco Rail's Mark IV and 6700 tampers
- Jupiter driven
- Provides full complement of track geometry channels: gauge, curvature, superelevation, cross-level, twist, left and right alignment, left and right surface
- Determines smoothed geometry from measured geometry and automatically calculates throws
- Automatic location synchronization using GPS and data signature
- Communication of data between tampers, or hy-rail and tamper allows for tandem work



BENEFITS

- Simple after-market add on
- Allows for high speed recording without buggies extended
- Interfaces directly with tamper control system
- Provides for a smoother and more precise track after tamping
- Allows for post record comparison to develop quality of work performed

Callisto: ProTamp user interface



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TECHNOLOGY

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