



Description:

The Model 2100-696 Frauscher Zero-Speed Dual Gating Wheel Detector Assembly is a rail-mounted device that generates wheel timing signals for a SmartScan NG² defect detector. It mechanically clamps two RSR110 gating transducers to the rail, thus eliminating the need to drill mounting holes. Its rail claw bracket is fully adjustable and allows for proper transducer alignment over a wide range of rail sizes. For optimum performance, the gating transducers must be positioned 1.56 inches (40 millimeters) below the crown of the rail.

The wheel timing signals generated allow a SmartScan NG² defect detector system to:

- Coordinate bearing and wheel temperature measurements
- Determine a train's direction
- Calculate a train's exit speed
- Calculate a train's length
- Identify individual railcars and locomotives based on axle spacing patterns

The plug-in connector cable significantly reduces the effort required for assembly, disassembly or changing the sensor, which in turn gives rise to savings both in terms of money and time. It also minimizes the amount of time spent by service personnel in a hazardous area.

General Specifications:

Voltage Input	8 VDC to 33 VDC
Dimensions	30.81" x 10.50" x 6.75"
Weight	Total Weight 53.70 lbs. (Entire assembly including rail mount, Transducers, and cables.)
Temperature Spec. - Industrial	-40°C to +70°C
RoHS Compliant	No