



### Description:

The Model 2100-591 Single Element Transducer with Clamp Assembly is a rail-mounted device that senses passing wheels. It can be paired with a second device to form a transducer gate – or it can function as an advance transducer to activate the detector system as a train approaches. The 2100-591 generates timing signals that allow an STC 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 2100-591 mechanically clamps a wheel transducer to the rail, thus eliminating the need to drill mounting holes. Its bracket is fully adjustable and allows for proper transducer alignment over a wide range of rail sizes.

### General Specifications

Transducers	2100-551 Potted Transducer Module
Clamp Dimensions	9.00"L x 10.00"W x 6.50"H
Cable Length	100 ft (10 ft Liquidtite conduit)
Weight	15.55 lbs