



SIEMENS

# Locomotive Onboard Equipment

## Dual Range Speed Indicators

### Rail Automation

Siemens Rail offers a complete line of locomotive speed indicators in both SAE and Metric versions. The speed indicators all offer the accuracy and reliability only 100% digital components can offer as well as the following features:

- **Accelerometer** – The Speed Indicator is capable of displaying the acceleration and deceleration of the locomotive in MPH/MIN
- **Compatibility** – The Dual Range speed indicator is a direct replacement for existing speed indicators in service today. The foot pattern and cable arrangement allows for a bolt for bolt, pin for pin replacement of existing analog electronic speed indicators
- **Dual range speed indicator** – 0-9.9 MPH (.1 MPH increments), and 10-99 MPH (1 MPH increments) automatically set by locomotive speed
- **Power-up display** – of all user selectable settings
- **Dual display** – one display facing engineer, one display facing the conductor's normal position
- **Overspeed** – This feature is adjustable in the field up to 99 MPH. (Up to 150 MPH on some units) Will drive a standard Salem (or equivalent) SA-812A magnet valve.
- **Odometer** – feet counter that can increment and decrement the travel based on the direction of the locomotive, therefore true net distance is obtained from any movement
- **Alerter light/horn option** – Some units are capable of interfacing with existing alertness devices, both Quantum and others, to display the light/horn operation of the alerter during a penalty
- **Display** – solid state segment displays, no meter movements to break or wear out
- **Axle Drive Compatibility** – The Siemens speed indicator can operate from any number of end of axle electronic axle drives, and accepts industry standard 20 and 60 pulses per revolution inputs
- **Dimmer Control** – Four position dimmer control for ease of reading in any ambient lighting condition

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The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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