

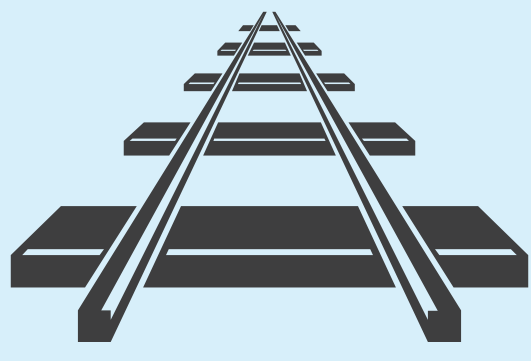
TRENDS IN RAIL...



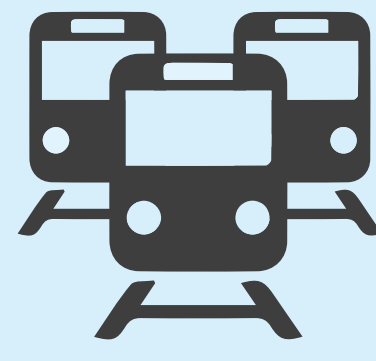
REQUIRE INNOVATIVE SENSOR SOLUTIONS



Greener Transport

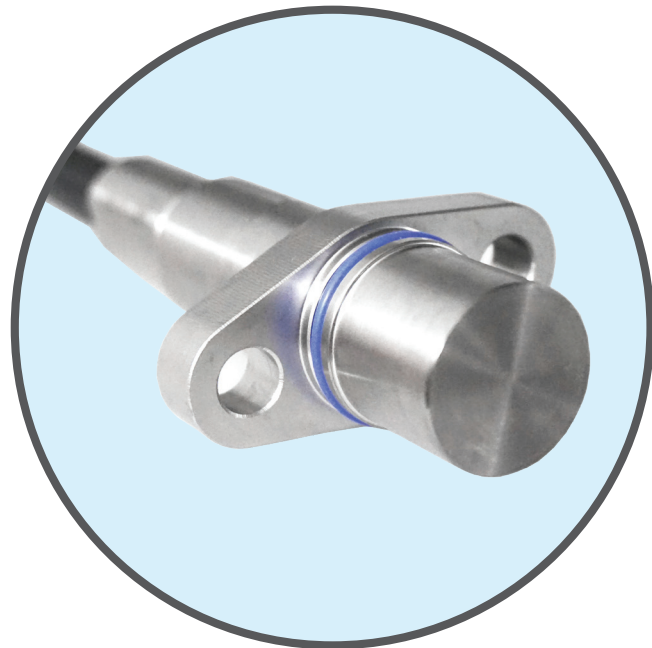


Rail Expansion



Optimizing Rail Services

ONE SENSOR WITH THE OUTPUT OF TWO DISCRETE SENSORS

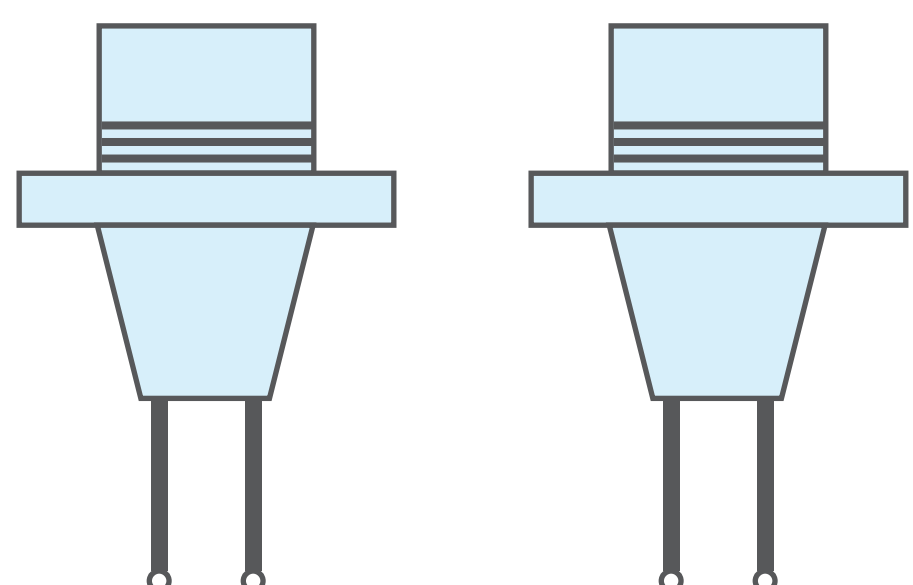


MULTI CHANNEL HALL SPEED SENSOR

3 & 4 CHANNEL HALL EFFECT SPEED SENSOR FOR RAILWAY APPLICATIONS

Using just one multi channel Hall speed sensor instead of two discrete sensors will reduce hardware costs and installation time during change over. TE is one of the few suppliers who can offer speed sensors with differential Hall effect elements with 4 channels containing 8 Hall elements in total.

2 Unique Speed Sensors

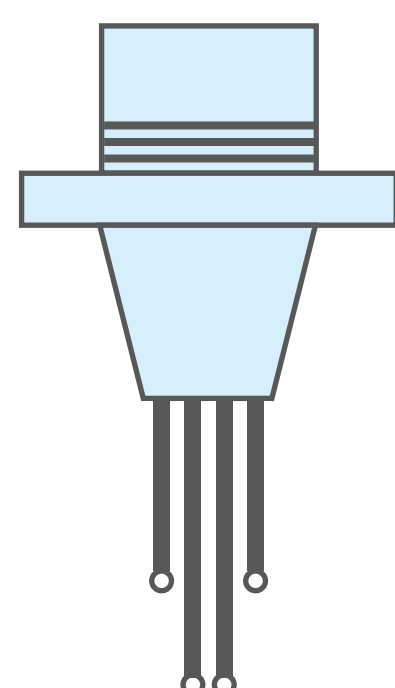


2 Channel

2 Channel

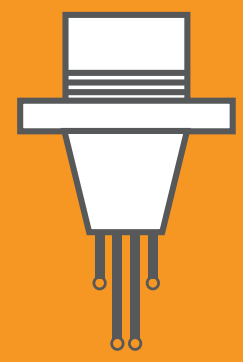
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Multi Channel Speed Sensor



4 Channel

TOP 3 BENEFITS



Multi Channel Solution

This solution allows, in one sensor, the combination of 2 channels for the propulsion system with 2 channels for the train control system.



Improved Efficiency

For many retrofit projects, this multi channel sensor is an excellent technical solution due to restricted space on the train axle.

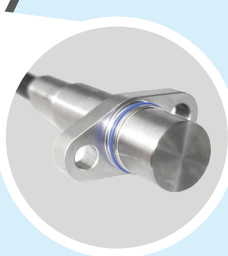
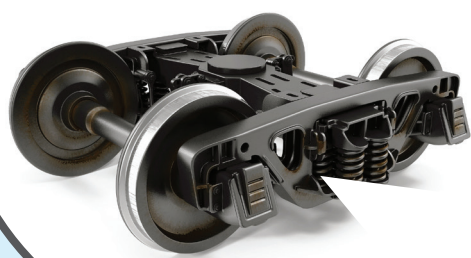


Greater Value

One sensor head that supplies as much information as two unique sensors provides greater value.

APPLICATIONS

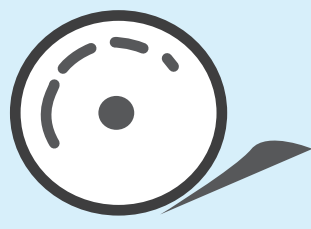
Bogie



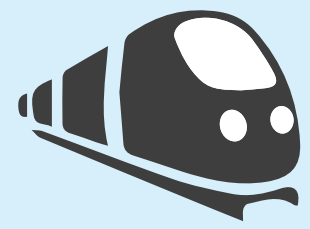
Multi Channel Speed Sensor



Signalling



Wheel Slip Protection (WSP)



Propulsion

SENSORS FOR RAIL APPLICATIONS



Accelerometer



Humidity



Position



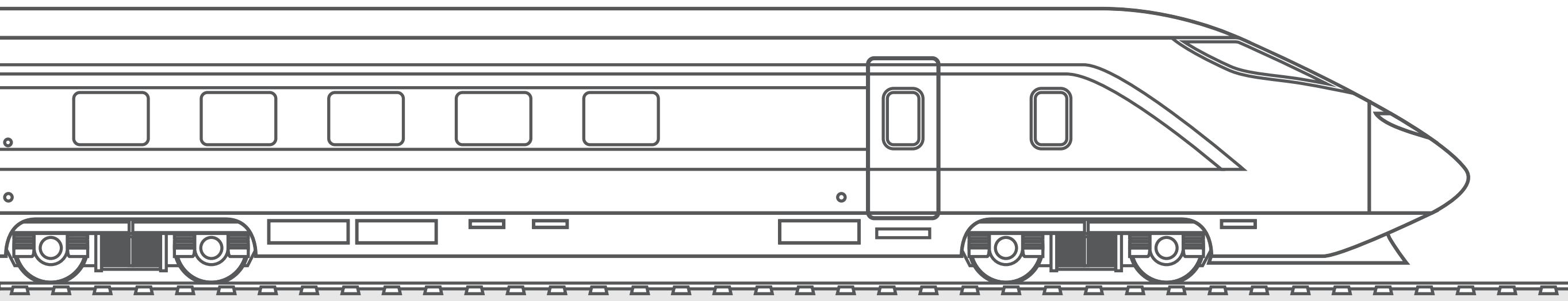
Pressure



Speed



Temperature



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