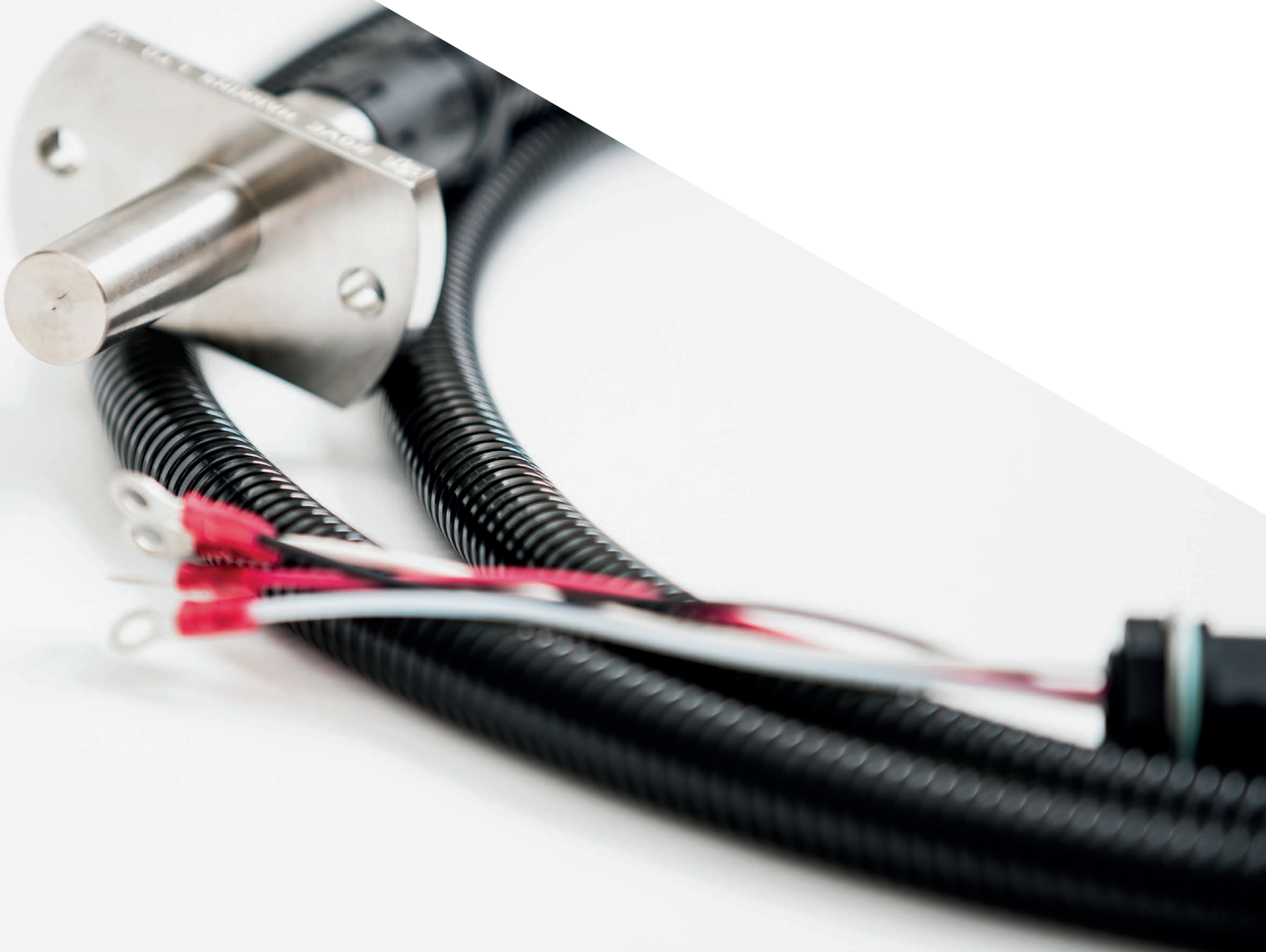




Rowe Hankins Ltd.

# 4 Channel Speed Sensor





Precision...  
made here

4 Channel Speed Sensors are made to operate in harsh environments by sensing a ferromagnetic target wheel, or module gear. Hall Effect technology is used to detect a change in the magnetic field when a target or gear wheel is rotated in front of the Speed Sensor.





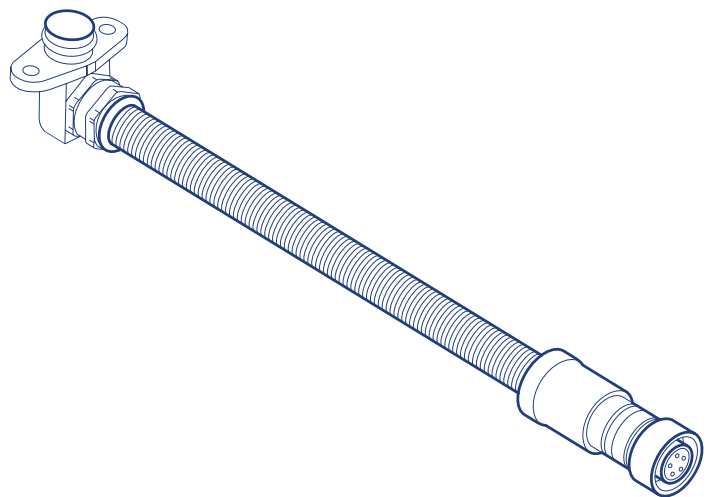
Our 4 Channel Speed Sensors are designed for continuous use and high reliability by using a low component count with two wire current output. Rowe Hankins Ltd. 4 Channel sensors are robust in design and tested to BS EN 50155 for bogie mounted applications, resulting in a cost-effective, long service life solution for speed and direction measurement.

The innovation of the 4 Channel Speed Sensor is that there are four sensor outputs that are galvanically isolated from each other but are magneto-mechanically phased in channel pairs. The reliability and resiliency of the 4 Channel Speed Sensor mean the channels will not affect the performance of the other outputs used, other than direction sensing for a given pair. The arrangement is typically designed to provide a "2 x 2" system independent dual channel sensor output, with a phase shift of 90° per channel pair.

They can be designed and manufactured as bespoke sensors to meet customers' specific requirements.

Rowe Hankins Ltd. selection of standard sensor shell housing styles can be selected, or bespoke sensor housings can be designed also.

- Industry leading cable manufacturers are used, with bespoke customer requests also available.
- Connector types are typically MIL-C 5015 bayonet or thread locking.
- Cable protection, if required – using flexible conduit as a standard or other type to customers' specification.



## Features & Benefits:



Four electrically independent channels, allowing for signals to be sent to 2 x independent safety or signalling systems from a single sensor.



Reverse supply and over voltage protected.



Designed to be installed in the harsh rail environment.



Stainless steel housing in various styles, protecting against corrosion.



Various signal output types are available.



Various terminal connections or connectors available.



2 wire current output per channel (8-wires including supply).



High reliability.





Rowe Hankins Ltd.

## Get in touch

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