

CORRail 1000



As wheel-slip influenced measurement technologies show non-negligible systematic measurement errors, they do not meet today's technology demands.

Microwave- and Radar sensors, as well as GPS sensors have to deal with different external influences and quickly reach their limit.

For the first time, the Hasler® CORRail 1000 sensor offers a contact-less, track-bed independent, direct measurement of a rail vehicle's speed and operating direction, using the railhead as a reference.

In order to work even in harshest environments, particular care was taken to ensure robustness as well as easy maintenance and care.

As an illumination source, robust high-power infrared LED are used. To increase operational safety, an optical channel indicates soiling on the front glass which can also be replaced easily in case of a damage.

Therefore, the Hasler® CORRail 1000 Sensor meets all demands for an objective, reproducible measurement of a railway vehicle's longitudinal dynamics in the fields of:

- Drive Systems (slip-free measurement of speed, acceleration, wheel slip)
- Measurement of braking distance
- Navigation / positioning

The Hasler® CORRail 1000 Sensor at a glance:

- Track independent, highly dynamic direct measurement
- Speed range 0.2 ... 400 km/h
- Reliable data acquisition during braking and coasting to standstill
- Standstill detection (< 0.2 km/h)
- Direction detection
- Extremely robust design for sensor mounting on the bogie
- Illumination by robust and extremely long-life, high-power, infrared LED
- Optical soiling detection in %-steps for highest functional reliability
- Programmable analogue and digital standard outputs
- Low maintenance and service costs

For further information about the product, please do not hesitate to contact one of our collaborators, he will be happy to help.

evaluate HaslerRail

