Model TrueSlip

- Side Slip Sensor
- ≤ 0.1º Resolution [2]
- Mounts on wheel or vehicle body
- CAN signal output
- Works in variety of light and road conditions [1]
- Non contact optical sensor
- IP67 rated

Description

The Michigan Scientific *TrueSlip* sensor is a highly accurate and versatile Slip Angle Sensor. *TrueSlip* optically measures X and Y velocity and internally calculates slip angle. *TrueSlip* works accurately in a variety of road conditions and all lighting conditions. *TrueSlip* is a critical tool in vehicle dynamics testing, tire testing, and ADAS testing.

The *TrueSlip* sensor can be installed on the vehicle body, on a wheel, or in conjunction with Michigan Scientific Wheel Force Transducers.

Specifications

Speed Range	1 mi/hr to 200 mi/hr (1.6 km/hr to 320 km/hr)
Angle Range	± 45º
Slip Angle Resolution [2]	≤ 0.1º @ >20 mi/hr (32 km/hr)
Measured Angle Accuracy [2]	≤ 0.25º @ >20 mi/hr (32 km/hr)
Measurement Bandwidth	20 Hz
Working Distance	8.0 in ± 2.0 in (200 mm ± 50 mm)
Signal Output	CAN 2.0
Signal Delay	~ 94 ms
Input Power Voltage Range	8 VDC to 18 VDC
Environmental Rating	IP67

[1] TrueSlip will operate well on dry roads, wet roads, and dry icy roads, but not with standing water or snow.
[2] Preliminary Specifications.

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Rev. A

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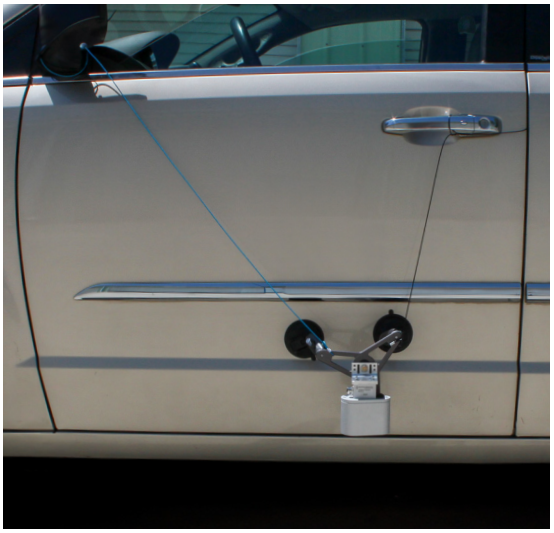
Slip Angle Sensor

Specifications

Via CAN 2.0	Side Slip Angle*
* The output has fixed ~94 millisecond delay.	

Application Photos



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