



Chassis Position Sensor (CPS)

Designed for chassis control systems, active damping control and headlamp leveling

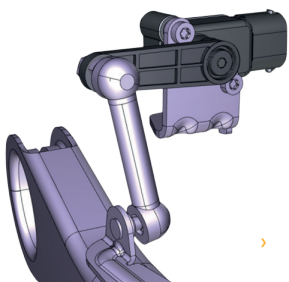
The Chassis Position Sensor is an angular sensor developed by Continental that's been in production since 2013. This sensor combines the experience and knowledge from our previous Ride Height and Pedal Angle Sensors leading to a cost optimized and lean design. The CPS is primarily used for measuring the movement of the wheels/axle in relation to the chassis.

Applications

- › Suspension
- › Active damping control
- › Headlamp leveling systems
- › Advanced front lighting systems

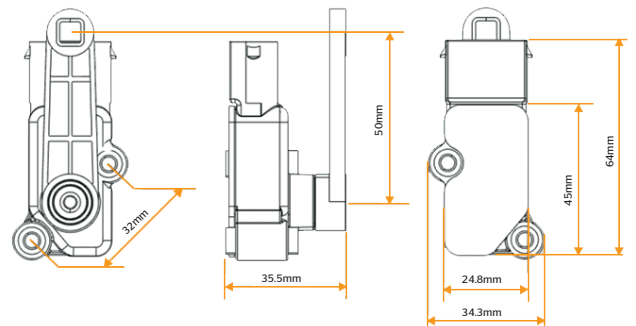
Electrical Characteristics

Parameter	Min.	Typ.	Max.
Supply voltage	4,75 V	5 V	5,25 V
Supply current			15 mA
Operating temperature	-40°C		+125°C
Overvoltage			18 V
Reverse polarity			16 V



- › Exemplary illustration of a vehicle installation

Technical Specifications



Programmable measurement ranges	e.g. 4 x 90°
Offset programmable	over 360 deg
Sensitivity programmable*	0,057 V/deg nom.*
Supply voltage range	4,75 V up to 5,25 V
Temperature range	-40°C up to 125°C
Resolution	0,022° (12 bit at 90 deg)
Output interfaces	Analog output, PWM, PSI5 available
Designed for	Automotive systems (wheel housing, harsh environments)