

# Off-Highway Vehicles

Agriculture, Construction and Material Handling Equipment

## POSITION AND SPEED SENSORS FOR HARSH ENVIRONMENTS

Agriculture, construction and material handling vehicles must work continuously in harsh environments while operator safety has to be guaranteed at all times. Our sensors perform despite extremes in vibration, shock and temperature and deliver reliable position feedback to ensure the precise movement of wheels, attached tools and the entire vehicle.

### Automatization in off-highway vehicles

Our sensors enable automated monitoring, increased levels of safety and productivity and pave the way to remotely controlled and fully autonomous off-highway vehicles.

### Custom solutions

In addition to our range of standard sensors, we offer custom developments and accompany our customers from the initial idea to series production and beyond. Our customers appreciate the close collaboration, fast implementation and our ability to develop exactly the right product for their needs.



## APPLICATIONS

1	Wheel angle
2	Pedal position / Break-by-wire
3	Steering wheel angle / Steer-by-wire
4	Joystick / Arm rest controls
5	Mast tilt
6	Fork position
7	Fork height
8	Linear mast displacement
9	Seat position
10	E-motor rotor position
11	Hitch / Implement position
12	Transmission speed
13	Rear hitch position
14	Bucket angle
15	Lift arm position

## CONTACTLESS POSITION SENSORS (HALL-EFFECT / INDUCTIVE)



## ELECTRIFICATION



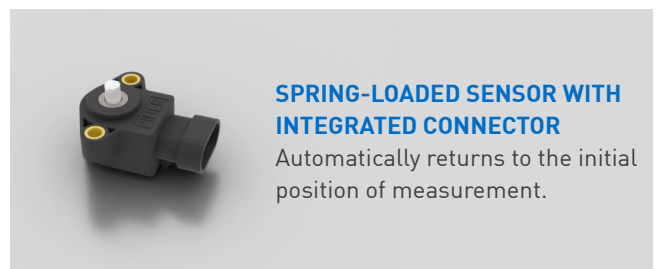
## SPEED SENSORS



## INCLINOMETERS



## CUSTOM SOLUTIONS



[www.piher.net](http://www.piher.net)



## CONTACT

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