

# Topcon Wheel Angle Sensors

## Physical and Virtual Options

### Physical Wheel Angle Sensor

Available for all Topcon steering solutions, our physical wheel angle sensor provides the ultimate precision in steering accuracy, especially in the most demanding conditions. This reliable hardware ensures real-time data on wheel positioning, making it a critical addition for operators seeking maximum control and performance. While it requires installation, it can be necessary in applications where low- or high-speed operation is required and situations where there's significant load on the vehicle, particularly sload, such as bed forming.

### Virtual Wheel Angle Sensor

Available only in Horizon Lite and Value Line Steering solutions. Designed to reduce system costs and simplify setup, we've developed a new digital approach to enhance autosteering performance. Where previous solutions used a physical wheel angle sensor, our virtual wheel angle sensor introduces integrated software that matches the benefits in most conditions without the need for an additional hardware installation. With a virtual wheel angle sensor, you gain enhanced steering accuracy, enabling smoother operation and reduced operator fatigue.



**Mechanical Wheel Angle Sensor**  
(Hardware/Software Combination)



**Virtual Wheel Angle Sensor**  
(Software Only)



<b>Compatibility</b>	<b>Virtual</b>	<b>Physical</b>
Value Line Steering (Horizon Lite OS)	Yes	Yes
Premium Line Steering (Horizon OS)	-	Yes
<b>Requirements</b>		
Additional Hardware	-	Yes
Software License	Yes*	-
<b>Capability</b>		
Operating Speed	2-20 km/h**	Any operating speed**

\* No technical installation or support is required for the virtual wheel angle sensor. Simply unlock the license through the TAP Marketplace and enable the feature in Horizon Lite software.

\*\* All Topcon steering solutions require a physical wheel angle sensor for use below 1km/h. The system will not engage autosteer without a physical wheel angle sensor below this speed

Specifications subject to change without notice.

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