

S299 Slope Sensor for Slope Sensing

Mini-Line®

The S299 Slope Sensor measures the cross slope of the screed, when a defined slope of the road is required or an appropriate reference is not available in one side of the machine.

The S299 Slope Sensor is operated with a PL2005 control box, and is always used together with grade control setting the reference of the grade in one side. If operating with grade control in both sides of the machine, the slope can be used for monitoring the slope of the road.

The sensor can be used for controlling the slope from either side of the machine, but only one side at a time. It is controllable from the PL2005 control box from both sides of the machine.

The S299 Slope Sensor has a strong and accurate inclinometer specifically designed to withstand high vibration levels on high compaction screeds.



S299 Slope Sensor

S299 Slope Sensor Specifications

Part Number	S-50220
Application	Slope Control and Slope Monitoring
Power Supply	12/24 Volt System (10-30 VDC)
Power Consumption	Typical at 24 VDC 30 mA Max 200 mA
Dimensions (LxWxH)	130x74x45mm
Weight	0.5kg
House	Aluminium
Storage Temperature	-40°C to +85°C
Operating Temperature	-10°C to +70°C
Sensor Type	Inclinometer
Resolution	0.01%
Accuracy	+/- 0.1%
Sensor Range	-9.99% to +9.99%
Communication Bus	Standard: RS485
Connector	Cannon Bayonet Plug, Male 6-Pin A: Vbat D: NC B: Gnd E: Com A RS485 C: NC F: Com B RS485