

G198 Mechanical Grade Sensor

Grade sensor for ground and stringline sensing

Mini-Line®

The G198 Mechanical Grade Control system is an affordable and proven option for customers wanting a mechanical grading system.

The G198 Mechanical Grade Sensor can be used either as a stand-alone unit, or as a sensor attached to the HS301 handset. Depending on the reference the sensor can be configured either with a ski or tube.

In both configurations the system automatically regulates and maintains the tow-point to the desired grade while paving. With the HS301 handset the operator has the advantage of adjusting the grade from the handset behind the screed.



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G198 Grade Sensor specifications	
Part number	S-50138 S-50139 (w/ arm, weight, ski, tube)
Application	Grade control, for ground and stringline sensing using ski and tube respectively
Power supply	12/24 Volt System (10-30 VDC)
Power consumption	Typical at 24 VDC 60 mA Max 200 mA
Output (stand alone operation without controller)	NPN max 1.2A continuously, 2.0A pulsed
Dimensions (LxWxH)	60x105x115mm / 2.4x4.1x4.5in
Weight	1.35kg / 3lbs
Housing	Aluminum
Storage temperature	-40°C to 85°C / -40°F to 185°F
Operating temperature	-10°C to 70°C / 14°F to 158°F
Sensor type	Potentiometer
Resolution	1mm / 0.04in
Accuracy - Dynamic	+/- 1 mm / 0.1in
Sensor range	65-195mm / 2.6-7.7in
Communication bus	RS485
Connector	Cannon Bayonet Plug, male 6 pin A: Vbat D: NC B: Gnd E: Com A RS485 C: NC F: Com B RS485



G198 Mechanical Grade Sensor w/ arm and ski

v. H802902