

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.



G198 Mechanical Grade Sensor



G198 Mechanical Grade Sensor w/ arm and ski

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