

AC700 Material Sensor CAN for Asphalt Pavers

A key precondition to laying a smooth pavement is using a material control system to maintain a constant head of material in front of the screed.

The AC700 Material Sensor monitors and signals the actual level of material to a controller. The controller will then be able to regulate the material flow to maintain a constant level of material.

Two push buttons and six status LEDs allow the operator to adjust the setpoint of the material level. The distance from the sensor to the hot mix and push button status are sent over CAN-bus to the machine controller, which controls the augers. The status LEDs are controlled via the CAN bus.

It has an LED indicator used for indication of sensor status.



AC700 Material Control

AC700 Material Sensor Specifications	
Part Number	P-50789
Application	Auger or Conveyor Material Buildup Control
Power Supply	12/24 Volt System (10-30 VDC)
Internal Power Consumption	Typical at 24 VDC 70 mA Max. 200 mA
Dimensions (LxWxH)	130x53x67mm / 5.1x2.1x2.6in
Weight	0.35kg / 0.8lbs
House	Aluminium
Storage Temperature	-40°C to 85°C / -40°F to 185°F
Operating Temperature	-10°C to 85°C / 14°F to 185°F
Sensor Type	1x 125kHz Ultrasonic Transducer
Transducer Beam Width (-3dB full angle)	12° +/- 2° / 53.6°F +/- 35.6°F
Sensor Range	200-1000mm / 7.9-39.4in
Resolution	1mm / 0.04in
Accuracy Dynamic	+/- 20mm / 0.8in
Connector	6-Pin Screw, Male A: Vbat D: CAN Lo B: GND E: Config resistor C: CAN Hi F: NC
Communication bus	CAN TF-open protocol
Bit rate	250 kbit/s

