

AC700 Material Control 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 Controller monitors and regulates the material flow to maintain a constant level of material as set by the operator.

Controller and sensor is built into the same unit and is easy to install. It requires a minimum of maintenance as it uses ultrasonic non-contact sensing, which eliminates the problem of clogging material on mechanical sensors and removes the need for supervision in use.

It is operated with push buttons on an integrated keypad with an LED level indicator. The amount of material is easily changed by pushing either + or – on the keypad.



AC700 Material Control

AC700 Material Control Specifications	
Part Number	S-50645
Version	T15
Application	Auger or Conveyor Material Buildup Control
Power Spply	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°
Sensor Range	200-1000mm / 7.9-39.4in
Connector	6-Pin Screw, Male A: Vbat D: Output 2 B: Output 1 E: NC C: GND F: NC
Output	Output 1: Voltage output Output 2: PNP PWM (Max. 2A)
Level Adjustment Steps	21 mm / 0.8in

