

## **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.

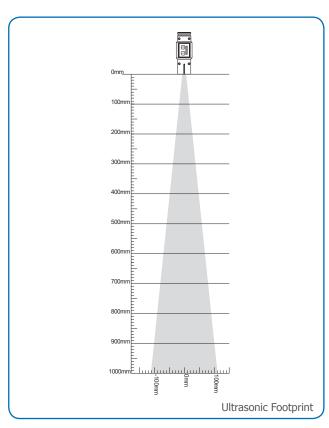
The AC700 Material Controller monitors and regulates the material flow to maintain a constant level of material as set by the operator.

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 Specifications   |  |
|---|--|
| Part Number                             | S-50631  |
| Version                                 | T1   |
| Application                             | Auger or Conveyor Material Buildup Control                       |
| Power Supply                            | 12/24 Volt System (10-30 VDC)                                    |
| Power Consumption                       | Typical at 24 VDC 70 mA<br>Max. 200 mA                           |
| Dimensions (LxWxH)                      | 130x53x67mm  |
| Weight                                  | 0.35kg   |
| House                                   | Aluminium  |
| Storage Temperature                     | -40°C to 85°C  |
| Operating Temperature                   | -10°C to 85°C  |
| Sensor Type                             | 1x 125kHz Ultrasonic Transducer                                  |
| Transducer Beam Width (-3dB full angle) | 12° +/- 2°   |
| Sensor Range                            | 200-1000mm   |
| Connector                               | 6-Pin Bayonet, Male  |
|   | A: Vbat D: Output 2<br>B: GND E: NC<br>C: Output 1 F: NC         |
| Output                                  | Output 1: PNP ON/OFF (Max. 3A)<br>Output 2: NPN ON/OFF (Max. 3A) |
| Level Adjustment Steps                  | 21 mm  |



TF-Technologies reserves the right to make changes without further notice.

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