

AC700 - MATERIAL CONTROL



MATERIAL CONTROL

Auger and conveyor 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, and is simply operated with push buttons on an integrated keypad with LED level indicators.

The AC700 also exists in a sensor version that monitors and signals the level of material to a controller. The controller will then be able to regulate the material flow to maintain a constant level of material. The sensor has no keypad, but an LED indicator for indication of sensor status.

Both Controller and Sensor require a minimum of maintenance as they use ultrasonic non-contact sensing, which eliminates the problem of clogging material of mechanical sensors and removes the need for supervision and maintenance in use.

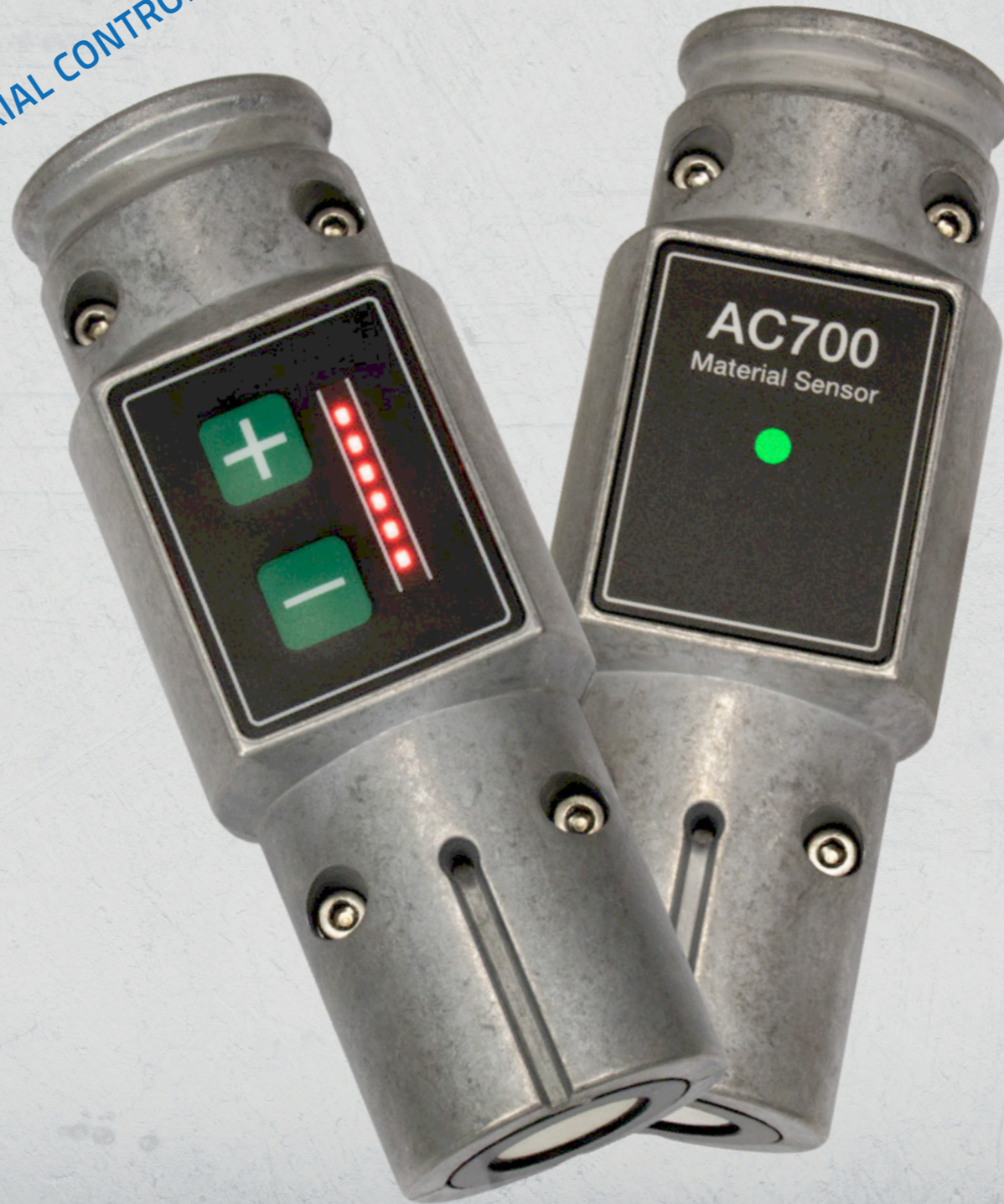
The AC700 can operate on both augers and conveyors, and is produced in several hardware versions to match the right output for different types of pavers.

Advantages

- Remove bumps in the mat due to poor material management
- Reduce segregation with constant auger speed
- Get high material consistency across the mat
- Improve overall mat quality



AC700 MATERIAL CONTROLLER



MATERIAL SENSOR



High operating temperature

The AC700 is a resilient unit with a high operating temperature of 85°C / 185°F



Versatile

Can be used for both auger and conveyor control, and available as sensor or controller



Non-contact sensor

As the sensor is not in direct contact with the hot mix it is extremely reliable with no wear and tear



LED panel

LED panel makes it easy to check the settings no matter where you are working on the paver.



Simple buttons

Two buttons makes it easy to adjust the material flow to the desired level.



Optimised transducer

Ultrasonic transducer optimised for stable operation under high temperatures.

AC700 Specifications

Output options:	ON/OFF or proportional, NPN or PNP, current controlled, voltage output
Adjustment steps:	21 mm
Sensor range:	200 - 1000 mm
Operating temperature:	-10°C to 85°C / -14°F to 185°F



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