



Application notes



Application Note : November 2012

Market involved : Automotive

Product : UA18CAD...

Customer : --

Subject : Detecting the distance to the pavement in vehicles for road-cleaning

CUSTOMER ISSUE :

Manufacturers of Road Washer Vehicles need to have a sensor that can detect the distance to the pavement, in order to let the sweeper brushes be correctly optimized for working conditions.

OUR SOLUTION :

We suggest the use of our ultrasonic sensor for distance detection. Using this kind of sensor with analogue output, it is possible to detect the distance to the pavement independently of colour or shape.

The dirt built up on the sensor will not affect the exact distance, and a too thick layer will reduce the maximum scanning distance.

ACHIEVED BENEFITS :

- By knowing the exact distance to the pavement the performance of the brushes is optimized.