



Application notes



Application Note : December 2012

Market involved : Food & Beverage

Product : PD30CNB20xxIS

Customer : Coffee machines manufacturer

Subject : Cups detection

CUSTOMER ISSUE :

How to detect all the cups placed on the cup holder of the coffee machines.

OUR SOLUTION :

Our PD30CNB..IS photoelectric sensor with infrared light is able to detect black cups as well as white cups, at almost the same distance.

The sensing distance is up to 200 mm, so it will be the ideal solution for this kind of application.

ACHIEVED BENEFITS :

- Using a sensor with IR light makes possible to mount the sensor behind a black glass covering the position of the sensor.
- A smooth surface makes cleaning operation easier for the end user.