



**Ref 060509PC**

**Application Title**

Contrasting colours

**Application Details**

The customer is required to detect if a metal foil label is in place on a flexible hose. After a number of unsuccessful attempts to detect the presence of the foil using traditional photoelectric sensors due to reflection angles it was decided to review other detection methods.

**Solution Provided**

Utilising a contrast sensor enables the customer to teach the sensor the difference between the contrast of the black hose and the contrast of the grey metal label.

By setting the switch points of the sensor using this teach function the presence of the foil label was detected correctly with a sensing distance of up to 10mm.

**Part Numbers**

KT5W-2P1116 PNP Contrast sensor

**Budget Value**

£200

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