# IR Distance Sensor

### Hardware

The XC3735 Distance sensor utilises a Sharp **FP2Y0A02YK0F** IR Emitter and sensor to give an analogue signal relating to distance.

#### **Specifications**

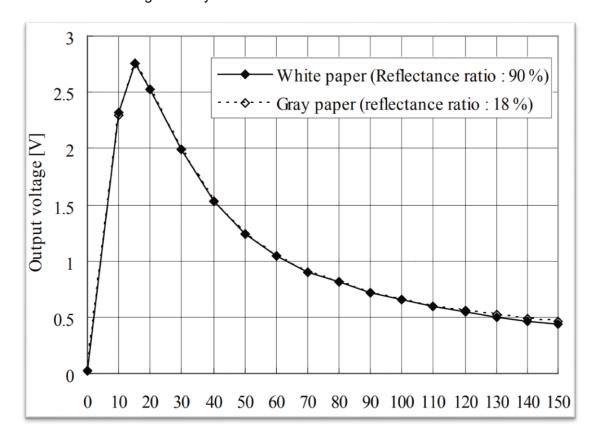
Distance	20 to 150 cm
Output	Analog reading
Size	92.5 x 13 x 21.6 mm
Current	33 mA Typical
Supply voltage	5V typical
Delay between sample	5ms max.
reading and output	

## Programming in Arduino

Use analogRead() calls to read the connected analogue pin, once you have set the pinMode as INPUT.

## Output voltage by Distance chart

Note that this is for guide only.



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