

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 reading and output | 5ms max. |

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.

