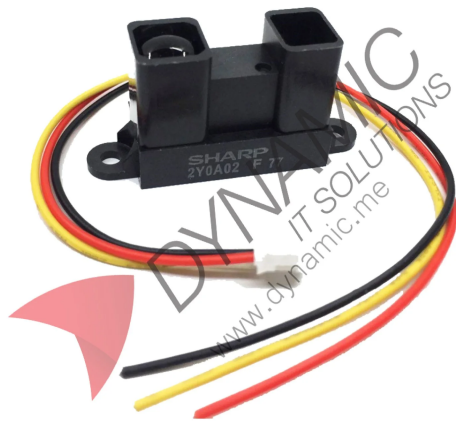


Sharp IR Distance Sensor 20-150cm + Cable (GP2Y0A02YK0F)

**Features:**

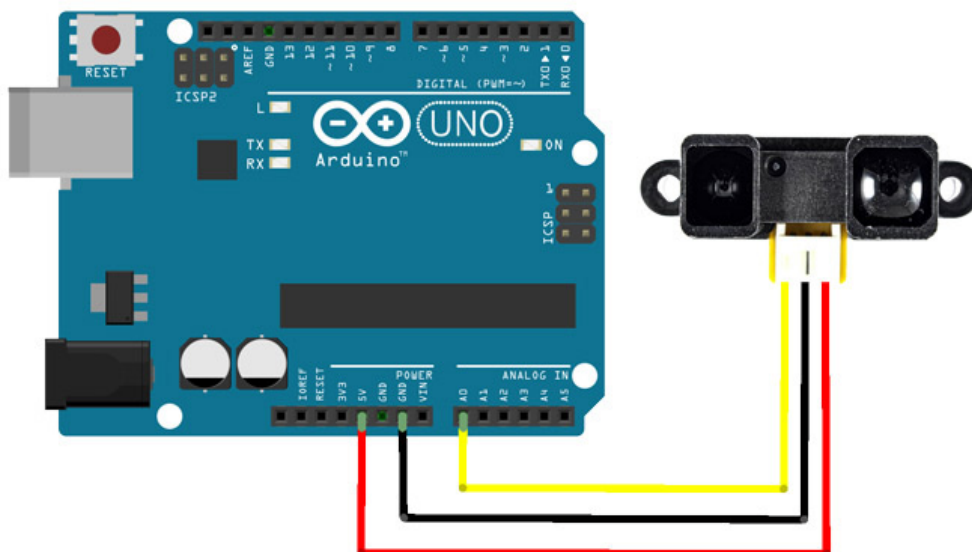
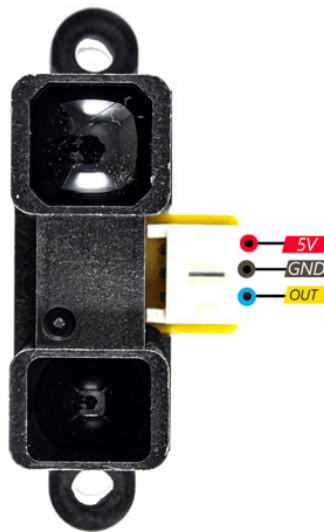
The GP2Y0A02YK0F infrared sensor is designed for long-range distance measurement using triangulation via a position-sensitive detector and IR emitter. Its output voltage varies with distance, enabling analog proximity detection over a wide range. Compact and low-power, it's ideal for applications requiring non-contact object sensing.

Specifications	
Model	GP2Y0A02YK0F
Sensing Range	20–150 cm
Output Type	Analog voltage
Supply Voltage	4.5 V – 5.5 V
Current Consumption	33 mA (typical)
Sensor Dimensions	29.5 mm × 13 mm × 21.6 mm
Operating Temperature	-10 °C to +60 °C
Storage Temperature	-40 °C to +70 °C
Absolute Max Ratings	-0.3 to +7 V (VCC), -0.3 to VCC+0.3 V (VO)
Use Cases	Touchless controls, vending machines, LCD monitors, energy-saving systems, arcade robotics

Pinouts:

Pin Name	Type	Description
VCC	Power Input	Supply voltage input (4.5–5.5 V)
GND	Power Ground	Common ground
OUT	Analog Output	Distance-proportional analog voltage output

POWER 
GND 
ADC 



Product Pictures:

