
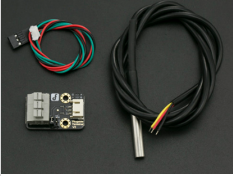
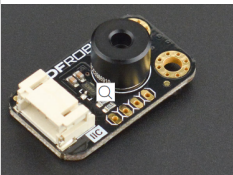


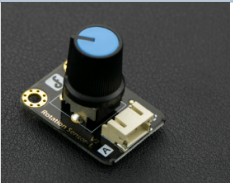
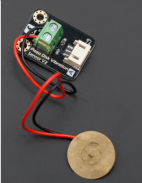
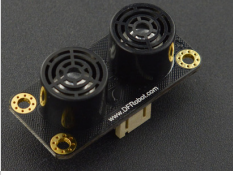


Analogue Sensors						
Category	Name	Code	Purpose	Price (USD)	Sensor Photo	Spec
Temperature	DS18B20 Temperature Sensor	DS18B20	Dry Temperature measurement	\$4.00		Range: -55 to 125 °C Precision: ± 0.5°C Deviation: ± 0.5°C
	Waterproof DS18B20 Sensor Kit	DS18B20	Wet Temperature measurement	\$7.50		
	I2C Non-contact IR Temperature Sensor	SEN0206	Non-contact IR temperature measurement (Digital Output)	\$16.00		
	DHT11 Temperature Humidity Sensor	DHT11	- Low spec RH measurement - Higher temp spec than DHT22	\$5.20		Relative Humidity Range: 20-90% Deviation: ± 5%RH Temperature Range: 0 to 50 °C Precision: 2°C Deviation: ± 0.1°C

Analogue Sensors						
Category	Name	Code	Purpose	Price (USD)	Sensor Photo	Spec
Climate	DHT22 Temperature Humidity Sensor	DHT22	<p>- Higher RH spec than DHT11</p> <p>- Lower Temp spec than DHT11</p> <p>(This is actually an AM2302 module)</p>	\$5.90		<p>Relative Humidity Range: 0-100% Deviation: $\pm 2\%$RH</p> <p>Temperature Range: -40 to 80 °C Precision: $\pm 0.5^\circ\text{C}$ Deviation:</p>
	BMP388 Barometric Pressure Sensor (Digital Output)	BMP388	Height and temperature measurement	\$6.90		<p>Pressure</p> <ul style="list-style-type: none"> - Rel Acc: $\pm 8\text{Pa}$ ($\pm 0.5\text{m}$) - Abs Acc: $\pm 50\text{Pa}$ <p>Temperature</p> <ul style="list-style-type: none"> - Abs Acc $\pm 0.5^\circ\text{C}$
Moisture	Analog Soil Moisture Sensor	SEN0114	Soil moisture measurement	\$2.70		<ul style="list-style-type: none"> - Output: 0-4v - Current: 35mA
	Analog Capacitive Soil Moisture Sensor	SEN0193	Soil moisture measurement (non-corrosive)	\$5.90		<ul style="list-style-type: none"> - Output: 1.2-2.5v - Interface: PH2.0-3P

Analogue Sensors						
Category	Name	Code	Purpose	Price (USD)	Sensor Photo	Spec
Light	Analog Ambient Light Sensor	DFR0026	Ambient light level	\$2.60		Illumination Range: 1-1000 Lux
Sound	Analog Sound Sensor	DFR0034	Sound intensity. (Used for sound operated devices)	\$4.40		Arbitrary sound intensity
Rotation	Analog Rotation Potentiometer Sensor	DFR0054	- Rotation detection - Analogue demonstration	\$2.90		- Rotation: 0-300 Deg - Output: 0-Vin
Motion	Analogue Piezo Disc Vibration Sensor	DFR0052	Vibration Detection	\$4.50		Dynamic Range: 0.001 Hz~1000MHz

Analogue Sensors						
Category	Name	Code	Purpose	Price (USD)	Sensor Photo	Spec
MOTION	URM09 Analog Ultrasonic Sensor	SEN0307	Distance measurement	\$4.90		<ul style="list-style-type: none"> - Current: 20mA - Range: 2-500cm - Resolution: 2cm - Accuracy: 1% - Freq: 30Hz
	Accelerometer	on-board the Kookaberry	3-axis acceleration measurement	\$0.00	