
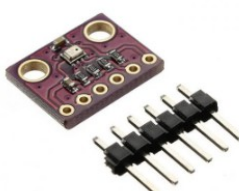
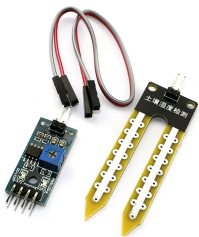




Order Code	Item Name	Item Specifications	Image
22236190.1	DHT22 Digital Temperature and Humidity Sensor Module	Measuring range: temperature -40-80 °C; humidity 0; 99.9%RH Measurement accuracy (25°C): temperature: + 0.5; humidity: + 2%RH (10; 90%RH) Resolution: temperature: 0.1 °C, humidity: 0.1%RH Attenuation value: temperature: <1°C / year; humidity: < 1%RH/ years High precision Capacitive type Full range temperature compensated Relative humidity and temperature measurement Calibrated digital signal Outstanding long-term stability	
22236190.2	BMP280 Barometric Pressure and Altitude Sensor I2C/SPI Module	Operating Voltage: 1.71V to 3.6V – would typically be operated from 3.3V. Operating Temperature: -40 to +85 deg. Celsius (full accuracy between 0 and +65 deg. C). Peak current: 1.12mA. Operating Pressure: 300 hPa to 1100 hPa. Accuracy between 700 to 900hPa and 25 to 40 deg. C: ±0.12hPa and ±1.0m.	
22236190.3	Soil Moisture Meter, Soil Humidity Sensor, Water Sensor, Soil Hygrometer for Arduino	Dual output mode, analog output more accurate A fixed bolt hole for easy installation With power indicator (red) and digital switching output indicator (green) Having LM393 comparator chip, stable. Operating Voltage: 3.3V~5V	
22236190.4	LM35D Analog Temperature Sensor Module + Cable	Based on the semiconductor LM35 temperature sensor Can be used to detect ambient air temperature Calibrated directly in °Celsius (Centigrade) Linear + 10 mV/°C Scale Factor 0.5°C Ensure accuracy (at +25°C) Low power consumption, less than 60uA Low output impedance, 1mA current through only 0.1Ω With screw holes for easy installation and fixed. Aperture 2.6mm	
22236190.5	HC-SR04-Ultrasonic Range Finder	Operating Voltage: 5 V Sonar Sensing Range: 2-400 cm Max. Sensing Range: 450 cm Frequency: 40 kHz	
22236190.6	12mm GL12528 Light Sensitive Photoresistor LDR	Diameter: 12 mm No. of pins: 2 Type of mounting: PCB Through Hole Maximum Operating Temperature: +70 °C (Approx.) Dark resistance: 1-20MΩ Spectral peak: 560nm	

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		<p>Maximum voltage: 250 VDC Maximum wattage: 200 mW Light resistance (10 Lux): 10-20 K<math>\Omega</math> Dark resistance: 2 M<math>\Omega</math> Resistance illumination: 3 Response time: 20ms (Rise), 30ms (Down)</p>	
22236190.7	PIR Motion Sensor Detector Module HC-SR501	<p>Wide Working Voltage Range: DC 4.5V- 20V Current Drain: &lt;60uA Detection Angle: &lt;140° Detection Distance: 3 to 7m (can be adjusted) Blockade time: 2.5s (Default) Work temperature: -20-+80°C</p>	
22236190.8	IR Receiver Diode – TSOP38238	<p>Very low supply current Photo-detector and preamplifier in one package Internal filter for PCM frequency Improved shielding against EMI Supply voltage: 2.5 V to 5.5 V Improved immunity against ambient light</p>	
22236190.9	38KHz Infrared Transmit Sensor Module + Infrared IR Sensor Receiver Module for Arduino	<p>Transmitter: This is 38KHz Infrared IR transmitter sensor module For Arduino Transmit 38KHz modulating signal Suitable for Arduino DIY project Material: PCB Reciver : Dimension: 2.5 x 1.5 x 1.5 cm. Receiving angle: 90 °. Working voltage: 2.7 ~ 5.5V. Frequency: 37.9KHz Receiving range: 18m. Weight: 4 gm.</p>	
22236190.10	Sound Detection Sensor Module	<p>Product: Sound Detection Sensor Module Operating voltage 3.3V-5V Signal output indication Single channel signal output Light weight</p>	
22236190.11	PS2 Joystick Module Breakout Sensor	<p>Dimensions: 34 x 34 x 15 (LxWxH) mm. Weight: 10gm (without Hat). 2.54mm pin interface leads. Operating Voltage: 5V. Long service life and stable performance. Standard interface and electronic building blocks. Widely use in Arduino DIY projects.</p>	
22236190.12	MPU-6050 3-Axis Accelerometer and Gyro Sensor	<p>Chip built-in 16bit AD converter, 16-bit data output Driver Chip: MPU6050 Operating Voltage: 3-5V DC Communication: I2C/IIC Protocol Gyro Range: <math>\pm 250, 500, 1000, 2000</math> °/s Accelerometer Range: <math>\pm 2 \pm 4 \pm 8 \pm 16</math> g</p>	

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22236190.13	Microswitch KW10-Z1P Limit Switch 1A 125V AC	Max. Switching voltage: 125 V Max. switching current: 1 A Max. switching frequency per minute: 60 Contacts: NO, NC, COM Contact resistance: 100 mΩ	
22236190.14	Reed Switch Module	Working voltage 3.3V-5 Output format: digital switching output (0 and 1)A fixed bolt holes for easy installation	
22236190.15	M274 360 Degree Rotary Encoder Brick Sensor Module	Type : Incremental Encoder. Cycles per revolution (CPR) : 20. Working voltage : 0 – 5V. Material : PCB + Brass. Mounting Nut Thread diameter: 6.6mm Weight : 10 gm	
22236190.16	Vibration sensor module alarm Motion sensor module vibration switch SW-420	Using SW-420 normally closed type vibration sensor Comparator output, clean signal, good waveform, strong driving ability, >15mA Operating voltage 3.3V ~ 5V Output format: digital switching output (0 and 1) Using a wide voltage LM393 comparator With bolt holes for easy installation	
22236190.17	Digital Sensor TTP223B Module Capacitive Touch Switch	Power supply voltage(VCC): 2.0, 3, 5.5 V. Output high VOH: 0.8VCC V Output low VOL: 0.3VCC V Response time (touch mode) : 60 mS Response time (low power mode) : 220 mS Can replace the traditional touch of a button Four M2 screws positioning holes for easy installation	
22236190.18	IRF520 MOSFET Driver Module for Arduino ARM Raspberry pi	Voltage: 3.3 – 5V. Ports: Digital Level. Output load voltage: 0-24 V. Output load current: <5A (1A above need to add heat sink). Platform: Arduino, MCU, ARM, raspberry pi. Using original IRF520 Power MOS, you can adjust the output PWM	
22236190.19	D57 5MM LDR Metal Casing for Light Control Lamp	Diameter (mm) : 5 No. of Pins : 2 Dark Resistance : 1-20 M ohm Shipment Weight : 0.01 kg Shipment Dimensions : 6 × 3 × 1 cm Casing : Metal Size : 5mm No. of Pins : 2	

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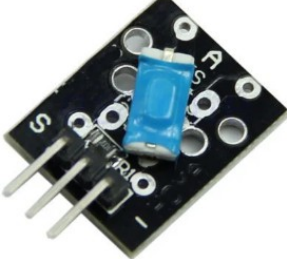
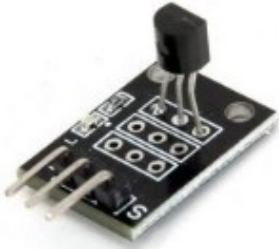
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22236190.20	Tactile Push Button Switch 6x6x5	<p>Operating Voltage (VDC): 12 Max. Operating Current (mA): 50mA Switch Type: Momentary Contact Resistance: 30mΩ Insulation Resistance (MΩ): 100 Operating Temperature Range (°C): -30 to 70 Protection Standard: IP65 Shaft Shape: Round Length (mm): 6 Width (mm): 6 Height (mm): 5 Weight (gm): 1 (approx) (each) Shipment Weight: 0.01 kg Shipment Dimensions: 5 × 8 × 1 cm</p>	
22236190.21	RC522 RFID Card Reader Module 13.56MHz	<p>Working current @3.3V: 13 – 26mA Standby current @3.3V: 10 – 13mA Sleep current: &lt;80µA Peak current: &lt;30mA Working frequency: 13.56MHz Card reading distance: 0-60mm Protocol: SPI Data communication speed: 10Mbit/s Max Operating Temperature (°C): -20 to 80 PCB Size ( L x W ) mm: 60 x 40 Shipment Weight: 0.07 kg Shipment Dimensions: 8 × 5 × 2 cm</p>	
22236190.22	Steam Sensor Model AHS011B	<p>Product Type: Steam Sensor Supply voltage: 5 (V) Operating range (°C): -5~150°C Sampling rate (ms): 500 Typical accuracy (% RH): ±10% Output characteristic: 2300±100 ( +25°C,7g/m³ ~ +50°C,50g/m³ ) Interface: I²C Shipment Weight : 0.023 kg Shipment Dimensions: 11 × 8 × 1 cm</p>	
22236190.23	Tilt Switch Sensor Module For Arduino	<p>Material: FR4 Operating Voltage (VDC): 5 Length (mm): 25 Width (mm): 15 Height (mm): 7 Weight (gm): 2 Shipment Weight : 0.005 kg Shipment Dimensions: 5 × 3 × 2 cm</p>	
22236190.24	DS18B20 Temperature Sensor Module	<p>Operating supply voltage: 3 to 5.5 volts Digital output: Resolution 9 to 12 bits Temperature measurement ranges: -55°C to +125°C, ( accurate to 0.5°C.) Maximum conversion time and response: 750ms Length (mm): 19 Width (mm): 15 Height (mm): 6 Weight (gm): 9 Shipment Weight: 0.014 kg Shipment Dimensions: 5 × 3 × 1 cm</p>	

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<p>22236190.25</p>	<p>YF-S201 Water Flow Measurement Sensor with 1-30Liter/min Flow Rate – Black</p>	<p>Working Voltage (V): 5 ~ 18                  Max current draw: 15mA @ 5V                  Working Flow Rate (Liters/Minute): 1 ~ 30                  Operating Temperature range (°C): -25 ~ +80                  Operating Humidity Range: 35% – 80% RH                  Accuracy: ±10%                  Maximum water pressure: 2.0 MPa                  Output duty cycle: 50% +-10%                  Output rise time (µsec): 0.04                  Pulses per Liter: 450                  Output fall time (µsec): 0.18                  Outer diameter (mm): 20                  Intake diameter (mm): 11                  Outlet diameter (mm): 11                  Length (mm): 62.5                  Width (mm): 36                  Height (mm): 35                  Weight (gm): 50                  Shipment Weight: 0.089 kg                  Shipment Dimensions: 9 × 6 × 6 cm</p>	
<p>22236190.26</p>	<p>YF-S201 Water Flow Measurement Sensor with 1-30 Liter/min Flow Rate – Black</p>	<p>Operating Voltage (VDC): 2 ~ 5.5                  Output high VOH: 0.8VCC V                  Output low VOL: 0.3VCC V                  Response time (touch mode): 60 mS                  Response time (low power mode): 220 mS                  Length (mm): 24                  Width (mm): 24                  Height (mm): 2                  Weight (gm): 0.6                  Shipment Weight: 0.085 kg                  Shipment Dimensions: 3 × 3 × 1 cm</p>	
<p>22236190.27</p>	<p>GT511C3 Optical Fingerprint Scanner Module with cable</p>	<p>Operating Voltage (VDC): 3.3 ~ 6                  CPU: ARM Cortex M3 Core(Holtek HT 32F2755)                  Sensors: Optical                  Image Size: 202 x 258 Pixel                  Resolution: 450 DPI                  Effective Scanning Area(mm): 20 x 16                  False Acceptance Rate (FAR): 0.001%                  False Rejection Rate(FRR): &lt; 0.1%                  Operating Temperature: -20°C ~ +60°C                  Default Baud Rate: 9600bps                  Dimensions(mm): 37 x 17 x 9.5                  Weight (gm): 6                  Shipment Weight: 0.01 kg                  Shipment Dimensions: 4 × 4 × 3 cm</p>	
<p>22236190.28</p>	<p>Turbidity Sensor with Module</p>	<p>Working voltage: DC 5V                  Working current: 30mA [MAX]                  Response time: &lt;500 msec                  Insulation Resistance: 100MΩ [Min]                  Operating Temperature (°C): -30 ~ +80                  Length (mm): 33                  Width (mm): 20                  Height (mm): 12                  Weight (gm): 55                  Shipment Weight: 0.059 kg                  Shipment Dimensions: 8 × 5 × 5 cm</p>	

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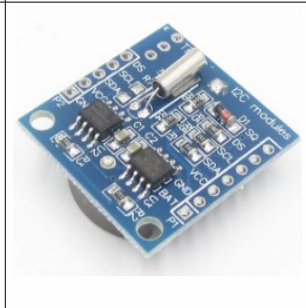




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22236190.29	50kg Half-bridge Experiments Body Scale Load Cell Sensor	Capacity (Kg): 50. Output Sensitivity (mv/v): 1.0±0.1. Nonlinearity (%FS): 0.03. Repeatability (%FS): 0.03. Input Resistance (Ω): 1000. Insulation Resistance (MΩ): ≥5000 Length (mm): 34 Width (mm): 34 Height (mm): 8 Weight (gm): 20 Cable Length (cm): 30 Shipment Weight: 0.022 kg Shipment Dimensions: 10 × 7 × 5 cm	
22236190.30	MQ 135 Air Quality Gas Detector Sensor Module For Arduino	Sensitivity to Ammonia, Sulphide and Benzene steam Sensitive for benzene, alcohol, smoke Fast response and recovery Adjustable sensitivity Signal output indicator Output voltage boosts along with the concentration of the measured gases increases. IC Chip: MQ-135 Operating Voltage (VDC): 5 Detecting Range: 100ppm to 1000ppm Shipment Weight: 0.01 kg Shipment Dimensions: 4 × 3 × 3.5 cm	
22236190.31	Real Time Clock DS1307 RTC I2C Module AT24C32 with Battery	Two-wire I2C interface. Hour: Minutes: Seconds AM/PM. Day Month, Date – Year. DS1307 based RTC (Battery include). 1Hz output pin. Available in 8-pin DIP or SOIC Battery: IR2032 PCB Size ( L x W ) mm: 28 x 28 Weight (gm): 6 Shipment Weight: 0.01 kg Shipment Dimensions: 6 × 6 × 2 cm	
22236190.32	Spectra Symbol Flex Sensor 2.2" Bend Sensor for Hand Gesture Recognition	Flex length: 5.6 cm Total Length: 2.2" (7 cm) Life Cycle : >1 million Height : 0.43mm (0.017") Flat Resistance: 10K Ohms ±30% Bend Resistance: minimum 20K Ohms ±30% (@ 180° pinch bend) Power Rating: 0.5 Watt continuous; 1 W Peak. Shipment Weight: 0.002 kg Shipment Dimensions: 3 × 2 × 1 cm	
22236190.33	PM2.5 GP2Y1010AU0F Dust Smoke Particle Sensor	Power supply voltage: DC5 ± 2V Sensitivity: 0.5V / (0.1mg / m3) The minimum detection level of particles: 0.8 m Clean air voltage: 0.9V typ. Low consumption current (Icc: MAX. 20 mA) The presence of dust can be detected by the photometry of only one pulse Enable to distinguish smoke from house dust Operating Temperature (°C): -10 to 60 Dimensions in mm (LxWxH): 46 x 34 x 18 Weight (gm): 16 Shipment Weight: 0.02 kg Shipment Dimensions: 5 × 4 × 1 cm	

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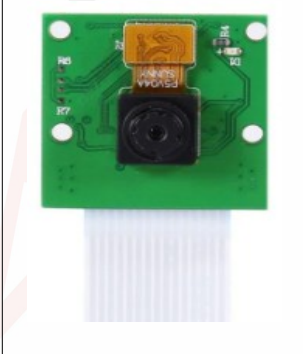
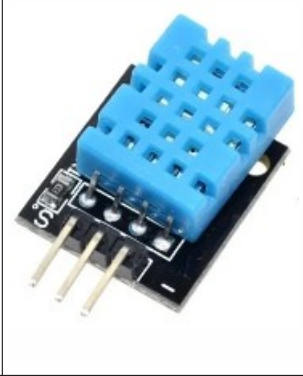
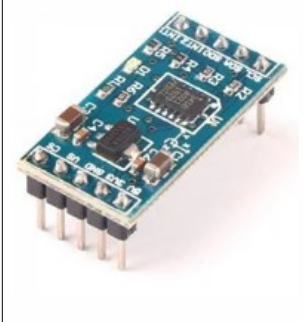
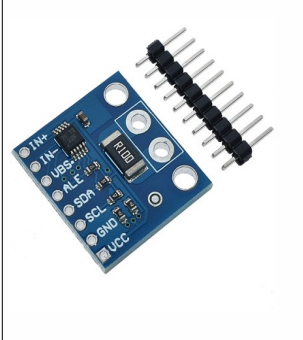
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22236190.34	PN532 NFC RFID Read / Write Module V3 Kit	<p>Operating Voltage: 3.3V ~ 5V          Communication distance: 5cm~7cm          Module Size: 42.7 x 40.4 x 4 mm (LxWxH)          Shipment Weight: 0.05 kg          Shipment Dimensions: 6 x 5 x 2 cm          Work as RFID reader/writer          Work as 1443-A card or a virtual card          Supporting Protocols: IIC, SPI and HSU (High-Speed UART); I2C / UART: 3.3V ~ 24V TTL ; SPI: 3.3V TTL with 100-ohm resistors in series</p>	
22236190.35	5MP Raspberry Pi 3/4 Model B Camera Module Rev 1.3 with Cable	<p>Resolution: 5 MP          Interface Type: CSI(Camera Serial Interface)          Compatibility: Raspberry Pi 3B+/4B          Lens Focus: Fixed Focus          Image Size(Pixels): 2592~1944          Sensors: Omnivision 5647 fixed-focus          Aperture: 2.9          Focal Length: 3.29          FOV: 72.4°          Dimensions: 25x23x8 (LxWxH) mm          Weight (gm): 3          Shipment Weight: 0.005 kg          Shipment Dimensions: 12 x 5 x 3 cm</p>	
22236190.36	DHT11 Digital Relative Humidity and Temperature Sensor Module	<p>The module can detect the surrounding environment of the humidity and temperature. High reliability and excellent long-term stability.          Humidity Measuring Range(%): 20 to 90          Temperature Measuring Range(°C): 0 to +50          Humidity Measurement Accuracy(%): ±5.0          Temperature Measurement Accuracy (°C): ±2.0          Response Time(s): &lt;5          Input Supply Voltage (VDC): 5          Breadboard Size(mm): 19x17 (LxW)          Weight (gm): 0.6          Shipment Weight : 0.095 kg          Shipment Dimensions: 4 x 4 x 1 cm</p>	
22236190.37	ADXL345 Digital Angle Acceleration Sensor Module	<p>Supports 5V/3.3V input          Onboard RT9161 faster          Ideal for noisy power environment          Application: DIY project.          Chip: ADXL345          Pin Pitch: 2.54 mm          Length(mm): 28          Width(mm): 14          Height(mm): 11          Weight(g): 5          Shipment Weight: 0.01 kg          Shipment Dimensions: 9 x 7 x 2 cm</p>	
22236190.38	Dc Voltage And Current Sensor Power Monitoring Module	<p>Operating Voltage: 3.3V to 5V DC.          Sensor Interface: I2C 5V DC.          Voltage Measurement Range: 0 to 36V.          Current Measurement Range: Variable wrt load voltage and shunt, refer Datasheet for more details.          High-Side or Low-Side Sensing.          Reports Current, Voltage, and Power.          High Accuracy:          - 0.1% Gain Error (Max)          - 10 µV Offset (Max)          Configurable Averaging Options.          16 Programmable Addresses.</p>	

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