**STARTER SETS COMPARISON CHART**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parts Included in Kit** | **Arduino.cc**  **Starter Kit** | **Adafruit Starter Set** | **Adafruit ARDX Oomlout Experimenter Kit** | **ARDX SEED Studio Starter Kit** | **Maker Shed Ultimate Microcontroller Pack** | **Maker Shed Starter Set** | **YourDuino Basic Starter Set** | **YourDuino Electronic Brick Starter Set** | **YourDuino Engineering Starter Set** | **SparkFun Inventor’s Kit** |
| **Price** | **$124.95** | **$65.00** | **$85.00** | **$69.90** | **$99.00** | **$64.99** | **$40.00** | **$75.00** | **$55.00** | **$99.50** |
| **Arduino UNO/Duemilanove or compatible** | Arduino Uno R3 | Arduino Uno R3 | Arduino Uno R3 | Arduino Uno R3 | Arduino Uno R3 | Arduino UNO | YourDuino Robo1 compatible 3-pin connectors, higher-current 3.3V supply | YourDuino Robo1 compatible 3-pin connectors, higher-current 3.3V supply | YourDuino Robo1 compatible 3-pin connectors, higher-current 3.3V supply | Arduino Uno R3 |
| **Heavy Duty Box** | X |  |  |  | X |  | X | X | X |  |
| **USB Cable** | X | X | X | X | X | X | X | X | X | X |
| **9V Battery Adapter for Arduino** | X | X |  | X | X | X |  |  |  |  |
| **Breadboard** | X | X | X | X | X | X | 8cm high-quality Breadboard with power and ground strips | 8cm high-quality Breadboard with power and ground strips | 8cm high-quality Breadboard with power and ground strips | Translucent Red Bread Board |
| **Protoboard** |  |  |  |  | (2) |  |  |  |  |  |
| **LED Assortment** | (8) Red, Green, Yellow, (3) Blue, (1) White | (10) Red, Green (1) Blue | (10) Red, (11) Green, (1 Blue) | (10) Red, Green (1) Blue | (5) Red  (5) Green | (2) Red , Green, Blue | (10) Red, Green, Yellow, Blue, White | (2) Red, Green, Yellow, Blue | (10) Red, Green, Yellow, Blue, White | Yellow, Red |
| **RGB LED** | X | X | X | X | (5) | X | X | X | X | X |
| **Red Laser Module** |  |  |  |  |  |  |  | X |  |  |
| **Alphanumeric LCD (16x2 characters)** | X |  |  |  |  |  |  |  |  |  |
| **Resistor Assortment** | (20) 220, (5) 560, 1K, 4.7K, 1M, 10M, (10) 10K | (25) 560, (3) 2.2k, (3)10k | (25) 560, (3) 2.2K, (3) 10K, | (25) 560, (3) 2.2K, (3) 10K, | (10) each 330K, 1K, 10K | (10) each 10K, 220, 270 | (10) - each 220, 10K | (10) - each 220, 10K | (10) - each 220, 10K | 330 and 10K |
| **Capacitor Assortment** | (5) 100nF, (3) 100uF, (5) 100pF |  |  | (1) 220uF | (10) 100nF, (10) 10uF, (5) 100uF |  |  |  |  |  |
| **PhotoResistors (Light sensors)** | (6) | X | X | X | (2) | (2) | (5) - 10K | Light Sensor Brick | (5) - 10K | X |
| **Push-button switches** | (10) | (2) | (2) | (2) | (3) | (2) Momentary Button | (5) - Big push-buttons | Big push-button brick | (5) - Big push-buttons | Big 12mm Buttons |
| **Potentiometers** | (3) 10K | (1) - 10K Rotary | (1) 10K | (1) 10K | (1) 10K Rotary |  | (2) - 10K Rotary | 10K Rotary Brick | (2) - 10K Rotary | 10K Trimpot |
| **Relay or Relay Board** |  | 5v DPDT | 5V DPDT | 5v,3A/120VAC |  |  | Opto-isolated 2-channel | Opto-isolated 2-channel | Opto-isolated 2-channel | 5V Relay |
| **Temperature Sensor** | TMP36 Analog Sensor | TMP36 Analog | TMP36 Analog Sensor | TMP36 Analog Sensor |  |  | DS18B20 Digital Sensor | DS18B20 Digital Sensor Brick | DS18B20 Digital Sensor | TMP36 Analog Sensor |
| **Thermistor** |  |  |  |  | X |  |  |  |  |  |
| **Ultrasonic Sensor** |  |  |  |  |  |  |  |  | X |  |
| **Transceiver: 2.4GHz, Low Power** |  |  |  |  |  |  |  |  | X |  |
| **Tilt sensor** | X |  |  |  | (2) |  |  | Tilt Brick |  |  |
| **Sound Sensor** |  |  |  |  |  |  |  | X |  |  |
| **Motion Sensor** |  |  |  |  |  |  |  | X |  |  |
| **Buzzer Module** |  |  |  |  |  |  | X | Buzzer Brick | X |  |
| **Beeper (Piezo) Module** | X | X | X | X | X |  | X | Beeper Brick | X | X |
| **8 Ohm Speaker** |  |  |  |  | X |  |  |  |  |  |
| **1 - Servo Motor** | X | X | X | X | (2) |  | X | X | X | X |
| **1 – Stepper Motor w/Driver Board** |  |  |  |  |  |  |  |  | X |  |
| **Mini Digital Voltmeter** |  |  |  |  |  |  |  |  | X |  |
| **LCD Screen 16x2** |  |  |  |  | X |  |  |  |  |  |
| **Jumper Wires/Cables** | (70) Solid core jumper wires, (2) Stranded jumper wires | (65) Piece Jumper Wire Bundle | 70-piece flexible | Premium jumper wires x75 | Jumper Wire Bundle | Deluxe Jumper Wires | 40 wide flat rainbow color cable (may make many different cables) | 40 wide flat rainbow color cable (may make many different cables) | 40 wide flat rainbow color cable (may make many different cables) | X |
| **40 pin strips that can be separated to connect cables to breadboard and other devices** | X |  | X | X | X |  | X | X | X |  |
| **6-Pin/8Pin Stackable Female Headers** |  |  |  |  | X |  |  |  |  |  |
| **3-pin cables to 3-pin connectors** |  |  |  |  |  |  | X | 5 | X |  |
| **3-pin cables to separate wire ends** |  |  |  |  |  |  | X | 5 | X |  |
| **Arduino and Breadboard Holder** | X | X | X | X |  |  |  |  |  | X |
| **Manual/Guide** | printed | online | online | printed |  | ? | online+printable PDF +Teacher Slides | online+printable PDF +Teacher Slides | online+printable PDF +Teacher Slides | printed |
| **Breadboard Layout Sheets** |  | online | online | printed |  |  |  |  |  |  |
| **74HC595 Shift Register** |  | X | X | X |  |  |  |  |  | X |
| **Softpot** |  |  |  |  |  |  |  |  |  | X |
| **Small NPN Transistors** | (5) | X | (2) | (2) |  |  |  |  |  | X |
| **Mosfet transistors [IRF520]** | (2) |  |  |  |  |  |  |  |  |  |
| **Small Diodes** | (5) 1N4007 | X | (2) | (2) |  |  |  |  |  | X |
| **DC Motor** | X | X | X | X | X |  |  |  |  | X |
| **Vibration Motor** |  |  |  |  | X |  |  |  |  |  |
| **Flex/Force sensor** |  | X |  |  |  |  |  |  |  | X |
| **H-bridge motor driver [L293D]** | X |  |  |  |  |  |  |  |  |  |
| **Optocouplers [4N35]** | (2) |  |  |  |  |  |  | OptoInterrupter Brick |  |  |
| **Transparent gels** | (1) Red, Green, Blue |  |  |  |  |  |  |  |  |  |
| **5-cell AA battery pack holder** |  |  | X |  |  |  |  |  |  |  |

**Prepared & Updated by YourDuino.com – October 2013 V2.**

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