



Applications of Arduino Microcontroller:

- **Experiment 1:** Photo Sensor Circuit, Tilt Switch Circuit, Vibration Switch Circuit, Ultrasonic Sensor and Buzzer, Temperature and Humidity Sensor Board, Alcohol Sensor Circuit, Gas Sensor Circuit, Magnetic Sensor Circuit, Volume Sensor Circuit, Earthquake Sensor Circuit, RFID Sensor Circuit, Brushless DC Motor, Forward and Reverse DC Motor, Bipolar Stepper Motor, Unipolar Stepper Motor, Servo Motor
- **Experiment 2:** 74HC595 Shift Register Circuit, Infrared Human Body Sensor Circuit, XY Joystic Circuit and Servo Motor
- **Experiment 3:** Infrared Gesture Detection Circuit, Infrared Remote-Control Circuit, Countdown Timer Circuit.

Technical Specifications:

- Data Display Mode: LED Display
- 4 bits DIP Switch Circuit
- 7-segment Display Circuit Module Two Arduino Microcontroller (II)
- 16x8 LED Matrix Circuit
- 16x2 LCD Displayer
- 4x4 Matrix Keypad
- ADC Circuit
- DAC Circuit
- DS1307 Clock Module
- Full Color RGB LEDs Module Three
- Amplitude 10Vpp
- Impedance 50ohm plus minus 10 percent
- Duty Control 30percent to 60percent
- Constant Voltage Output plus minus 5V plus minus 12V
- Variable Voltage Output 0V to plus minus 15V
- Power source 220 to 230V AC 50Hz 1 Phase

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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