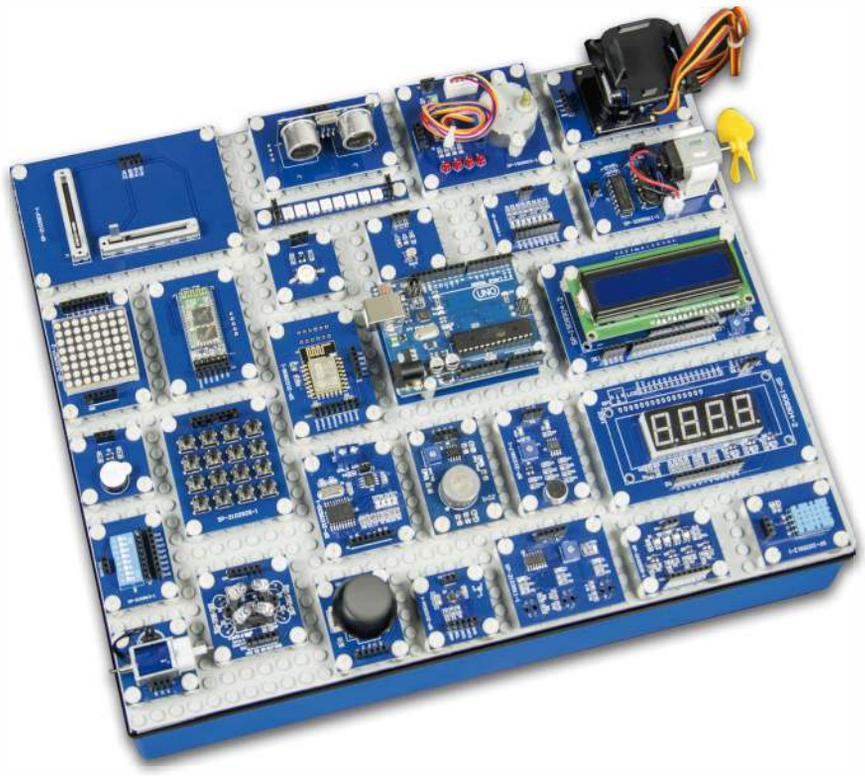
M41-2000 ARDUINO LEARNING PACK II NEW

The arduino learning pack II is an electronics design platform based on arduino. It' s compatible with the arduino official resources. You can both follow this experiment manual or the arduino official files to create your own digital circuit.
This kit is an advanced kit include one control board which is compatible with the arduino uno board, 28 peripheral circuit modules with complete source codes, 27 experiments and digital manuals.



Experiments content:

1 4x4 Key Pad
2 2x Slide Potentiometer
3 tcs3200 color sensor
4 DHT11 Temperature and humidity sensor
5 3-axis Accelerometer
6 Ultrasonic distometer
7 8x8 Matrix LED
8 Four digits 7-segment LED
9 4x RGB LED
10 LCD 1602
11 Relay
12 DC Motor
13 Stepper Motor
14 Servo Motor
15 Buzzer
16 Solenoid
17 IR line tracer
18 CAN BUS
19 Bluetooth
20 WIFI
21 1W led
22 DIP Switch
23 8x1 LED Bar
24 Joy Stick
25 Light sensor & Sound sensor
26 RGB LED Stick
27 Gas sensor

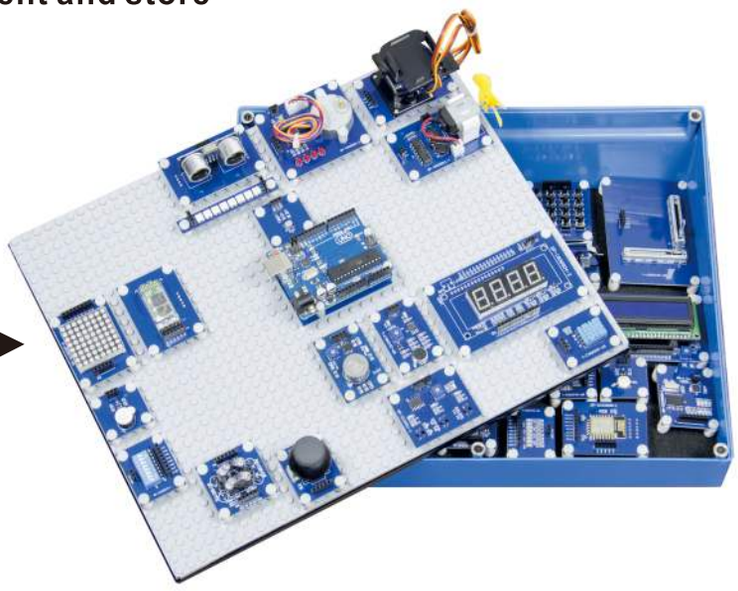
Easy assemble, replacement, experiment and store

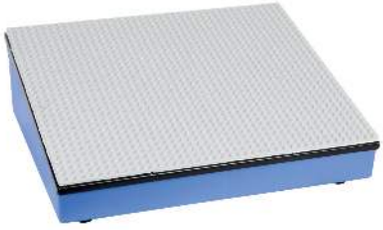
Circuit modules

Arduino control board

Quick install

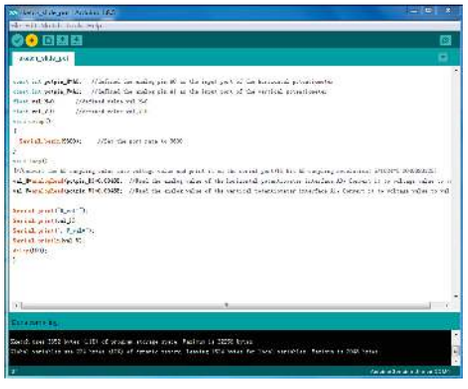
Easy storage

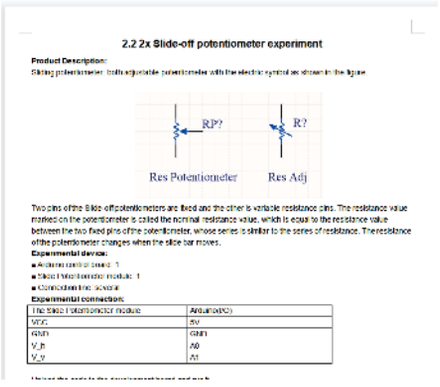




Experiment platform with storage function

Complete experiment manuals and source codes for each experiment, click and run





2.2 2x Slide-off potentiometer experiment

Product Description:

Sliding potentiometer: Both adjustable potentiometer with the electric symbol as shown in the figure

Two pins of the Slide-off potentiometers are fixed and the other is variable resistance pins. The resistance value marked on the potentiometer is called the nominal resistance value, which is equal to the resistance value between the two fixed pins of the potentiometer, whose series is similar to the series of resistance. The resistance of the potentiometer changes when the slide bar moves.

Experimental device:

- Arduino control board: 1
- Slide Potentiometer module: 1
- Connection line: several

Experimental connection:

The Slide Potentiometer module	Arduino(IO)
VCC	5V
GND	GND
V_R	A0
V_V	A1

Pack contains:

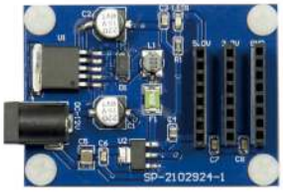
M41-0001	ARDUINO CONTROL BOARD
M41-0002	DC POWER BOARD
M41-0003	BREAD BOARD
M41-0005	EASY CARRIER
M41-0006	USB cable
M41-0033	LIGHT SENSOR
M41-0035	T&H SENSOR
M41-0038	GAS SENSOR
M41-0039	RELAY
M41-0041	STEP MOTOR
M41-0043	ULTRASONIC DISTOMETER
M41-0044	DC MOTOR
M41-0045	RGB LED STICK
M41-0047	1602 LCD
M41-0049	4x4 KEY PAD
M41-0050	2x SLIDE POTENTIOMETER
M41-0051	TCS 3200 COLOUR SENSOR
M41-0052	3-AXIS ACCELEROMETER
M41-0053	8x8 LED DOT MATRIX
M41-0054	4 DIGITS 7-SEGMENT LED DISPLAY
M41-0055	SERVO MOTOR
M41-0056	5V SOLENOID
M41-0057	4xRGB LED
M41-0058	ACTIVE BUZZER
M41-0059	CAN BUS
M41-0060	1 WATT LED
M41-0061	IR LINE TRACER
M41-0062	BLUETOOTH
M41-0063	WIFI
M41-0064	DIP SWITCH
M41-0065	8x1 LED BAR
M41-0066	JOY STICK
M41-0067	SOUND SENSOR

DIGITAL QUICK START MANUAL 1 COPY

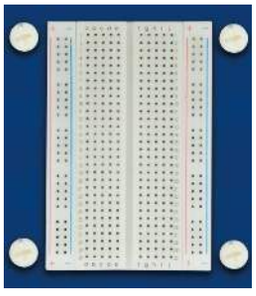
CONNECTING LEADS 24PCS

ALL CIRCUIT MODULES WITH SOURCE CODE

M41-0001
Arduino control board



M41-0002
DC power board

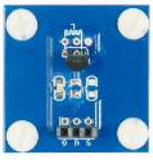


M41-0003
Bread board

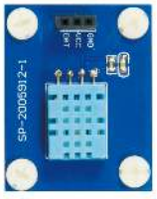
M41-0031
RGB LED

M41-0032
IR receiver

M41-0033
Light sensor



M41-0034
Temperature sensor



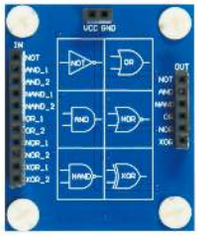
M41-0035
T&H sensor

M41-0036
Touch sensor

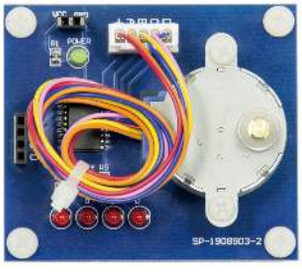
M41-0037
Heart rate sensor

M41-0038
Gas sensor

M41-0039
Relay



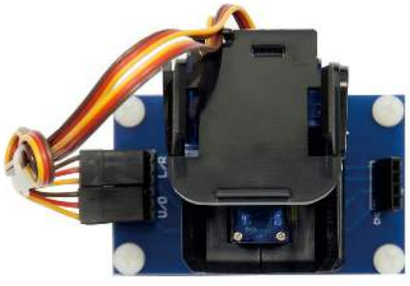
M41-0040
Logic gate



M41-0041
Step motor

M41-0042
4*4 membrane key board

M41-0043
Ultrasonic distometer

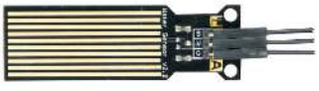


M41-0055
Servo Motor

M41-0044
DC motor

M41-0048
IR remote controller

M41-0045
RGB LED stick



M41-0046
Liquid level sensor

M41-0047
1602 LCD display

M41-0054
Four digits 7-segment LED

M41-0050
2x Slide potentiometer

M41-0049
4x4 Key Pad

M41-0051
TCS 3200 color sensor

M41-0052
3-aixs Accelerometer

M41-0053
8x8 Matrix LED

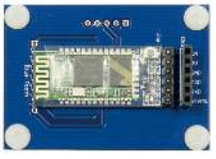
M41-0056
5V Solenoid

M41-0057
4x RGB LED

M41-0058
Active buzzer

M41-0059
CAN BUS

M41-0060
1W LED



M41-0062
Bluetooth

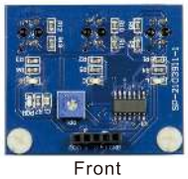
M41-0063
WIFI

M41-0064
DIP switch

M41-0065
8x1 LED bar

M41-0066
Joy Stick

M41-0067
Sound sensor

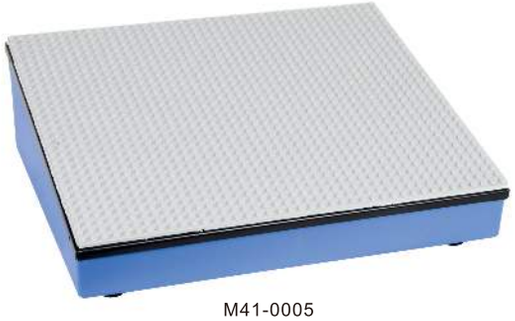


Front

Back

M41-0061
IR line tracer

M41-0004
Easy board
Dimension (W×D): 165×175mm



M41-0005
Easy plate
Dimension (W x H x D): 334 x 35 x 258 mm

M41-0006
Easy power board
DC Output Voltage: +5VDC/1A +3.3VDC/1A
0~+15VDC/500mA 0~-15VDC/500mA
Dimensions(W×H×D): 200×80×250 mm

More circuit modules:

M41-0069	hall sensor
M41-0070	body heat releasing sensor
M41-0071	flame sensor
M41-0072	collision sensor
M41-0073	vibration sensor
M41-0074	IR transmitter
M41-0076	button