

This Promax SD003 1K Digital Display Potentiometer works on 6-30V DC and has an adjustable resistance of up to 0-1K(1K Model), 0-10K(10K Model), and 0-100K(100K Model). It features a digital LED display for output and a panel-mount design. It is useful for frequency conversion, speed governing., etc.

The High-Quality Professional Potentiometer from ProMax is designed for Industrial Applications. This Precision-Adjustable Potentiometer is commonly used as test equipment for electrical engineering and technical personnel during the installation, debugging, overhaul, and maintenance of electrical equipment on site.

It features with adjustable and set range of 0-100%, multiplier, magnification and decimal point for displaying.

This Digital Display Potentiometer comes with a standard panel mount design, and high-accuracy knobs and requires simple wiring.



## Features

- Digital Display Potentiometer
- Operates on a wide range of power supplies 6-30V DC
- Can adjust and set the range of 0-100%, multiplier, magnification and decimal point for displaying
- Frequency conversion and speed governing with high precision output.
- It is a kind of resistance switch as electronic tool equipment.
- Panel mount type design
- Industrial Grade Potentiometer

## Applications

- Widely used as frequency conversion, speed governing., etc.

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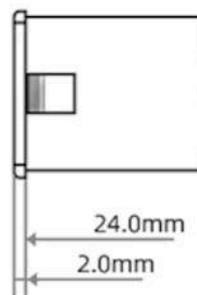
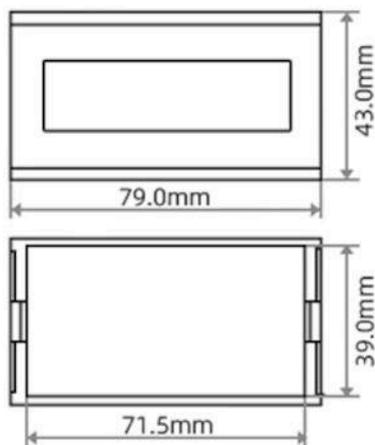
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## 1. Technical Specifications

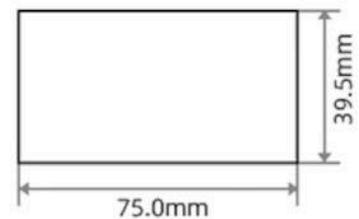
Parameter	Specifications
Input voltage	6-30V DC
Resistance(Available Models)	1K,10K,100K
Adjustable range	0-100% (i.e. For 1K adjustable range is 0-1K)
Display	Red LED
Connector Interface	Screw Terminal and JST male connector
Dimensions(L*W*H)	79*43*26mm
Panel Cutout	75*39.5mm

## 2. Physical Dimensions

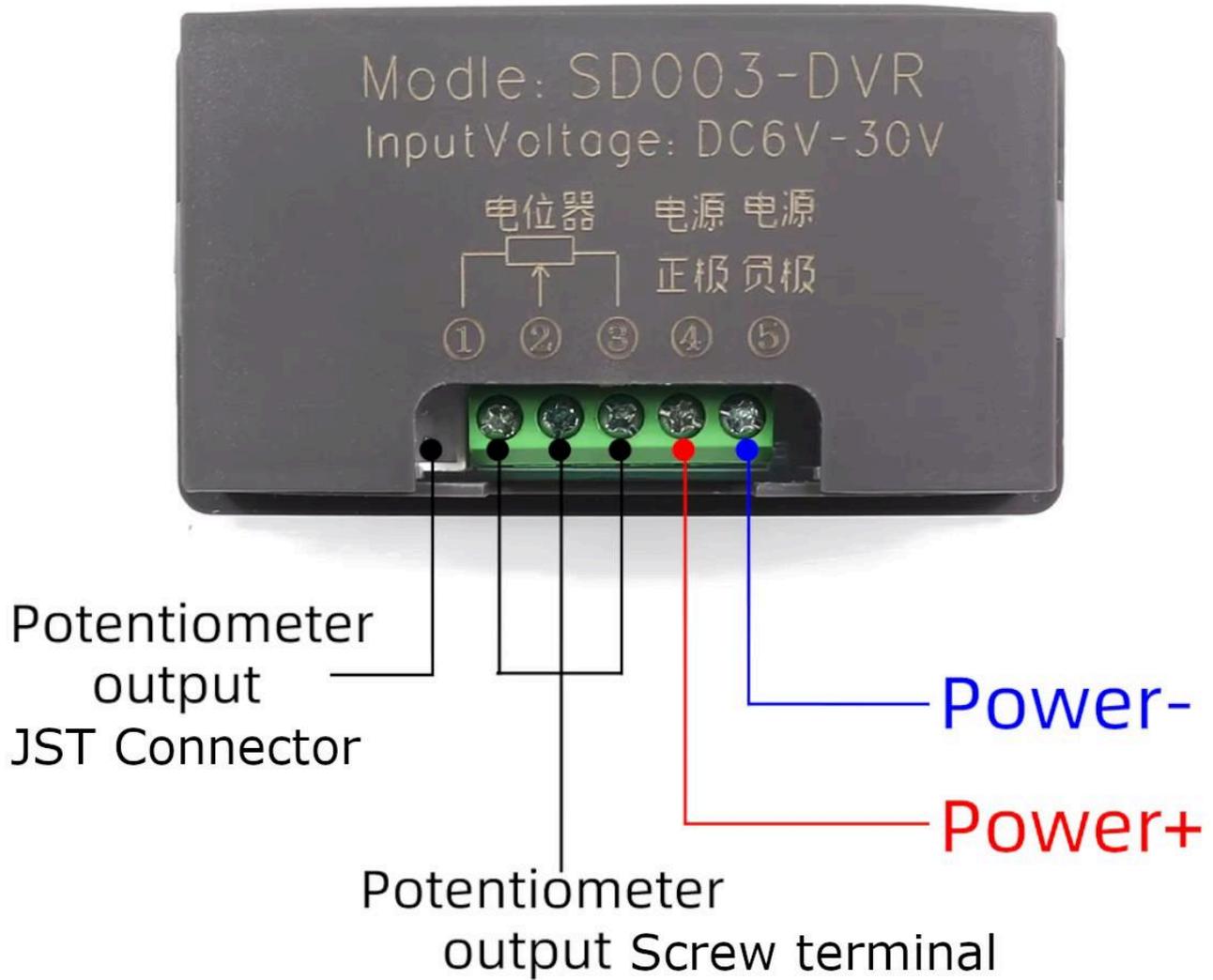
All Dimensions are in mm



### Panel Cutout

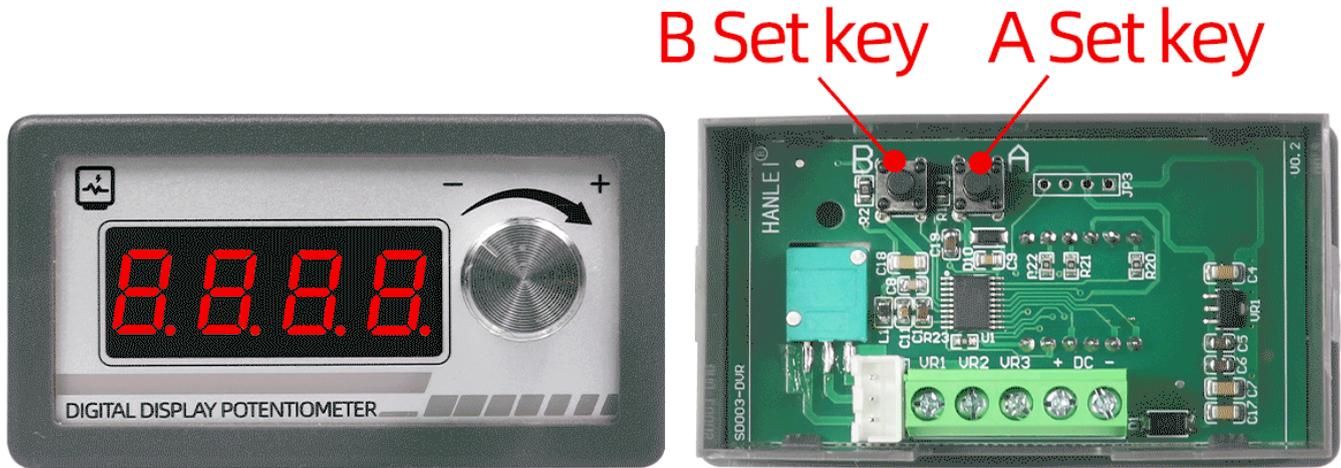


### 3. Pinout



**need to connect one only**

## 4. Operational Instructions



Settings	Radius	Operation procedure
A Minimum parameter range	-1000~1000	①: Long press A key when the first flashing,  ②: Press B key to adjust the value,  ③: Press A key to switch the second, third, and fourth position,  ④: Press storage and exit.
B Parameter to set the multiplier	0.1~5.0	①: Long press B key to flash four digits together,  ②: Press A key to add 1 each time, adjust to the appropriate value,  ③: Press B key again to store and exit.
C Magnification Setting	x1、x2、x10	①: Press the B key to switch magnification, 1x or 2x or 10x,  ②: Automatic storage after 2 seconds.
D decimal point setting	X.XXX、XX.XX XXX.X、XXXX	①: Short press the A key to switch the decimal point,  ②: Automatic storage after 2 seconds.

## 5. Parameter Setting

### Reference table for parameter setting

Serial Number	Display Minimum Number	Display Maximum Number	Set Minimum Value A	Set the Magnification B Max 5.0	Set the Decimal Point D	C10 C02 or C01 set C
1	0000	1000	0000	1.0	XXXX	C01
2	0000	640.0	0000	3.2	XXX.X	C02
3	030.0	080.0	0300	0.5	XXX.X	C01
4	-50.0	050.0	-500	1.0	XXX.X	C01
5	04.00	20.00	0400	1.6	XX.XX	C01
6	0000	8000	0000	4.0	XXXX	C02
7	-1000	1000	-1000	2.0	XXXX	C01
8	00.00	10.00	0000	1.0	XX.XX	C01
9	3000	5000	0300	0.2	XXXX	C10
10	00.00	24.00	0000	2.4	XX.XX	C01
11	-1500	1500	-150	0.3	XXXX	C10
12	-1999	2000	-1000	2.0	XXXX	C02

### Attention:

- ① Standard potentiometer linear error of more than 5%
- ② The display range ranges from -1999 to 9999
- ③ If the minimum value displayed is less than -1000 or greater than 1000, consider C02 or C10 first

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