JS-mVSG Millivolt signal generator

User manual Chinese version V1.02

1 Main technical indicators:

1.1 Supply Voltage: 5-24VDC, power 1W;

1.2 Output the maximum load current: 10mA;

1.3 Adjustment accuracy: 0.01mV (1V the version is 0.1), actual error±0.5%

1.4 Number of pulses per turn of encoder knob 20;

1.5 inch digital tube;

2 Dimensional drawing:

Precautions for installing cabinets and electrical boxes:

The panel has to be stuck between the ears to hold it in pla

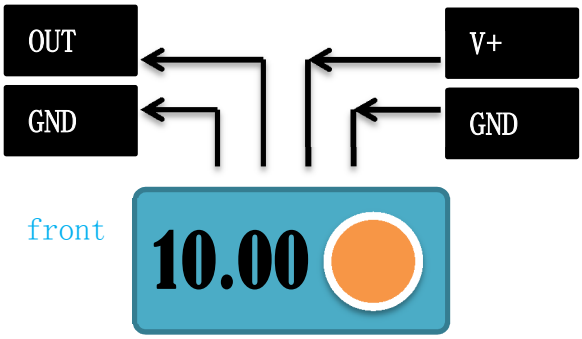
Panel thickness must be greater than 1.4mm

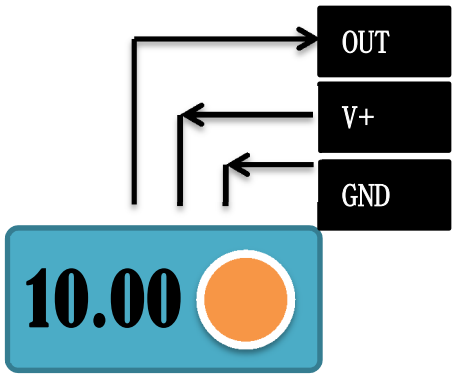
The hole size takes into account the width of the ear,

It can't be too small or it won't fit,

The recommended hole size is 77X40mm

3 Wiring Diagram:





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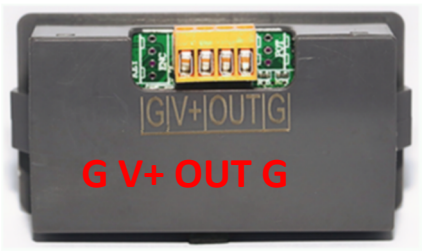

G: VSS

V+: VCC, VDD (5-24VDC)

OUT: Signal output positive

G: Signal outlet

The power supply ground and the output ground can be connected internally only one

4 System Operations：

4.1 Parameter Settings：（Turn clockwise for "+" and counterclockwise for "-", press the knob for "OK"）

4.2 Hold down the knob for 2 seconds to enter parameter setting，Display parameter F001, press OK, and set the value of parameter F001. Press OK to save its value；

4.3 When parameter number "FXXX" is displayed, rotate "+" and "-" to modify the parameter number, then press the knob to modify the parameter value, and then press the knob to save and exit；

4.4 To access F002 and later parameters, you need to enter the password + -- + to prevent random changes. For example, after displaying "F001", a "+" grid will not display F002, but will display "----" 4 bars, requiring the input password, enter "+ -- +" in order, press the knob to display F002

5 Parameter Table：

number	explain	remark	default
F001	Add or subtract values/per pulse	1-100 knob each pulse of the addition and subtraction number, adjust the knob of the addition and subtraction speed (rotate a circle of 20 pulses, no decimal point concept)	zero
F002	-10mV Calibration value	-199 -- +199 For internal reference only, The 1V version is calibrated -100mV	
F003	0V calibration value	-199 -- +199 is for internal reference only. Exercise caution when modifying the value	
F004	+100mV calibration value	-199 -- +199 For internal reference only, The 1V version is calibrated 1V	
F006	The output value is automatically saved	0: does not automatically save (press OK to save) 1:3 seconds after no operation is performed	One

6 Precautions

Millivolt signal is a weak signal, in order to resist interference and prevent attenuation, the output signal line should be as thick as possible and the connection should be as short as possible, it is best to use a thick shielded line, and avoid interference sources!!