JS-PN10VSG-S(±10V Signal Generator)

User Manual

V1.1
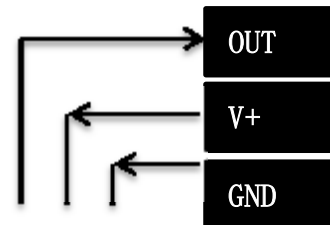

1 Technical Indicators：

1.1   Power Supply：DC7-28V, 1W;

1.2   Maximum range of output voltage：±10V   Maximum load current：20mA; accuracy：0.01V

1.3   Number of Pulses in a Circle of Encoder Knob :20；

1.4   0.4 Inch digital tube；

2 Wiring diagram：

Front view

Rear view

G V+ OUT G

G：   Power -
V+：   Power+
OUT： Output+
G：   Output-
Two "G" are connected internally
You can take only one

3 Size diagram：

72mm

42.2mm

39.5mm

22mm+2

79.5mm

±10V Signal_Generator

-10.00

JS-PN10VSG-S

Installation Needs Attention:
The panels need to be stuck in the ears
on both sides before they can be fixed;
Therefore, the thickness of the panel
must be greater than 1.4 mm;
The opening size should take into
account the width of the ear;
Don't be too small;
Recommended opening size 77X40mm

4 System Operation：

(Push Down The Knob Is "OK<Confirm>",Clockwise Rotation The Knob
One Pulse Is" + <Add>", Anticlockwise Rotation The Knob One Pulse Is" - <Minus>")：

4.1 6.1Short Press "OK" To Save The Output Value When The Normal Operation Screen,Digital Tube Display "..." After loosening, Saved Successfully, The Output Value Is This Saved Value After The Next Boot; When We Debug The Device, We Need To Adjust The Output Value Randomly, As Long As The Knob Is Not Pressed, It Will Still Be The Saved Value After Rebooting;

4.1.1 Parameter Setting Steps：

4.1.2 Press And Hold The "OK" For 2 Seconds On The Normal Adjust Screen To Enter The Setting State.,Display"F001"(Parameter Number 001);

4.1.3 Turn The Knob To Change The Parameter Number (The First Time You Enter "F002",You Need To Enter Password "+ - - +" First);

4.1.4 When Display The Parameter Number, Press "OK" To Enter The Corresponding Parameter Value Setting, And Rotate The Knob To Modify The Parameter;

4.1.5 Press The "OK" To Save The Parameter, Exit The Parameter Setting, And Display The Next Parameter Number(If Haven't Enter The Password,Normal Adjust Mode Will Be Entered After "F001" Value Setup);

4.1.6 Rotate the Knob Directly To The Last Parameter Number "Fend", Press The "OK", The Setting Is Completed And Enter The Normal Adjust Mode;

4.1.7 After The Parameter Setting Display Has Not Operated For More Than 10 Seconds, It Will Exit The Setting State And Enter The Normal Adjust Mode;

4.2 Examples Graph: The figure is a schematic diagram. Please operate with reference to the object.

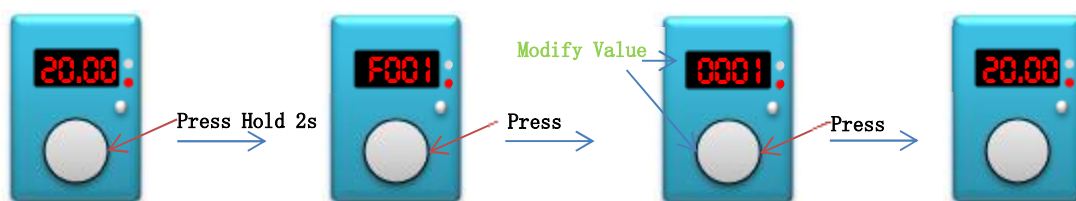4.2.1 Modify "F001" Coarse/Fine Adjustment Mode

Figure 1→2:Press And Hold The Knob 2 Seconds To Display "F001";

Figure 2→3:Press"OK", Set The Value Of "F001", Rotate The Knob To Change The Value;

Figure 3→4:Press"OK",Exit The Setting State And Enter The Normal Adjustment Mode;

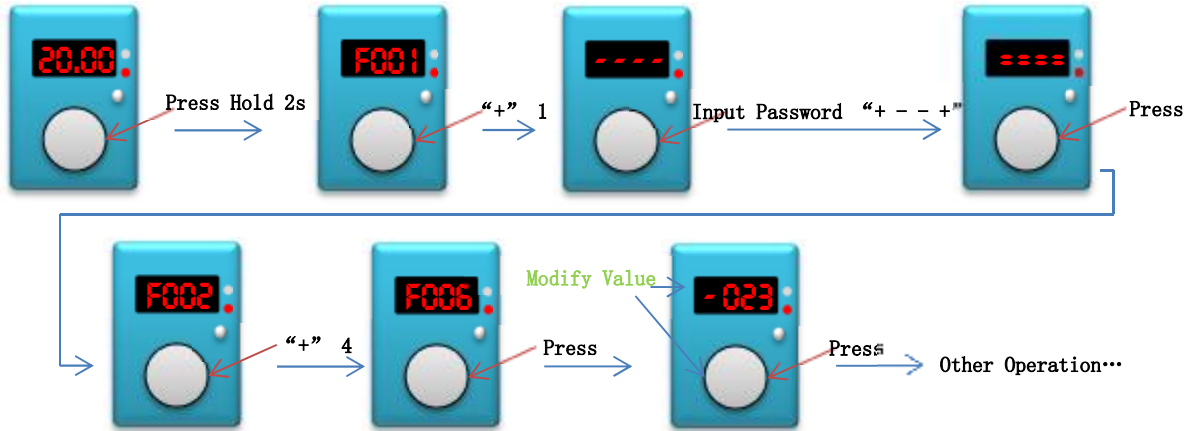### 1.1.1 Modify "F006" Calibration Value(It Is Best To First Adjust Output To 10V/20mA)

Figure 1→2:Press And Hold The Knob 2 Seconds To Display "F001";

Figure 2→3: "+" One Pulse，Display "- - - -" ;

Figure 3→4:Input Password "+ - - +"，Display "= = = =" ;

Figure 4→5: Press "OK", If The Input Is Correct, Display "F002",Otherwise Display "Err" And Exits;

Figure 5→6: Rotate The Knob To Display "F006";

Figure 6→7:Press The "OK" To Set The Value Of "F006",And Then Modify The Value So That The Actual Output Is Equal To -10V Before Entering The Setting;

Figure 7→ : Press "OK" To Save, Or Not Save For No Operation More Than 10 Second;

5 Parameter Description Table：

Para Num	Dscription	Note	Default
F001	Coarse/Fine Adjust	0: Coarse 1: Fine	0
F002	Output Mode	0:$\pm$10V 1:$\pm$5V 2:0-10V 3:2-10V 4:0-5V 5:1-5V 6:0-3.3V 7:0-2.5V 8:0-1V 9:-10V-0V	0
F003	Display Mode	0:Real Voltage 1:Percentage 0-100.0 2:50HZ 3:0-1500	0
F004	Add Or Sub Num For Each Knob's Pulse (Coarse Adjust)	1-50 No Decimal Point Concept (1-50)×10	1
F005	Add Or Sub Num For Each Knob's Pulse (Fine Adjust)	1-50 No Decimal Point Concept (1-50)×1	1
F006	-10V Calibration Value	-99 -- +99 Internal Reference,Please Be Careful	
F007	0V Calibration Value	-99 -- +99 Internal Reference,Please Be Careful	
F008	+10V Calibration Value	-99 -- +99 Internal Reference,Please Be Careful	