

0/4-20mA Current Signal Generator User Manual

(Model:JS-020ISG-M-S)



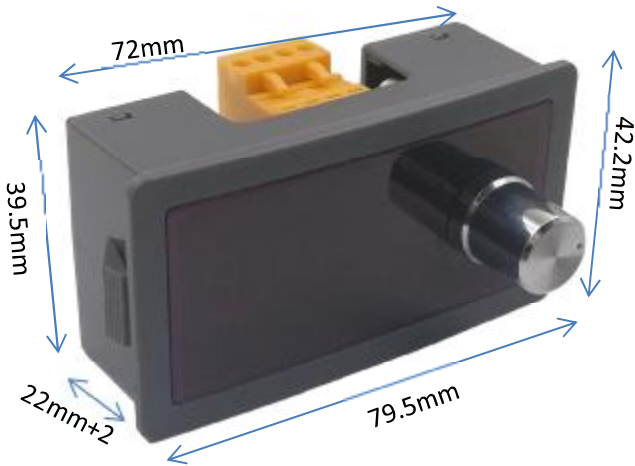
2018-6

Second Edition

1 Technical indicators:

- 1.1 Power supply voltage: 15V---30V;
- 1.2 Output range: 0-20mA/4-20mA/0-22mA;
- 1.3 Sampling resistance: Less than 500 ohms;
- 1.4 Display accuracy: 0.01mA;
- 1.5 Output accuracy: 0.5%;

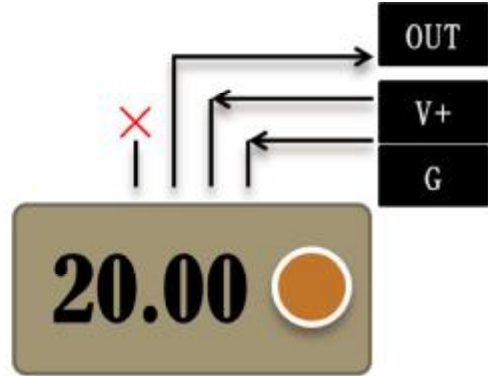
2 Dimension diagram:



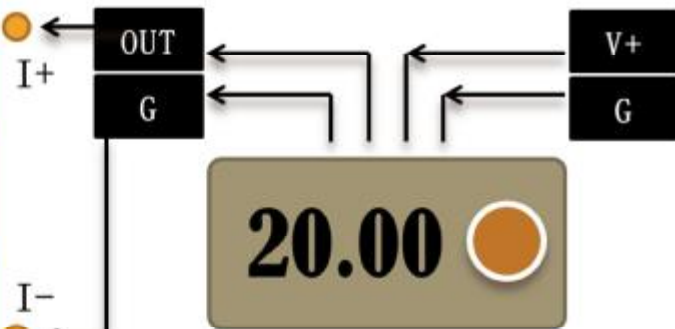
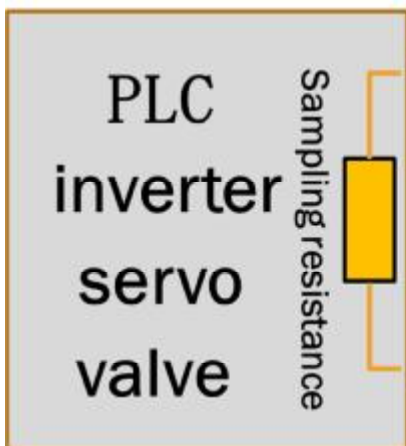
Cabinet Installation Needs Attention:
The instrument was stuffed in and stuck in both ears.
Panel thickness must be greater than 1.4mm.
Recommended opening size: 77X40mm

3 Wiring diagram (Front view)

G: Power supply negative (GND)
V+: Power supply positive (24V)
OUT: Output positive
G: Output negative



Active 3-wire connection



Active 2, 4 wire connection

4 System operation:

- 4.1 Short Press "OK" To Save The Output Value,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;
- 4.2 Parameter Settings : (Rotate one grid clockwise is "+ " Rotate one grid counter-clockwise is "-", Press the knob. is "Confirm")
- 4.2.1 Hold The "OK" For 2 Seconds To Enter The Setting State.,Display"F001"(Parameter Number 001);
- 4.2.2 Turn the knob to change the parameter number, You need to enter a password when enter F002:
- 4.2.3 F001->F002 enter a password "+ - - +" (Turn the knob) ",Then press the knob to enter;
- 4.2.4 Press "Ok" to enter the setting of corresponding parameter value, and turn the knob to modify parameters;
- 4.2.5 Press "Ok" to save the parameter, exit the parameter setting, and display the next parameter number (after setting the F001 value without entering the password, the normal operation screen will enter);
- 4.2.6 Rotate the knob directly to the last parameter number, press the "OK" key, and the setting is completed;
- 4.2.7 If no operation on the parameter setting screen exceeds 10s, it will exit the setting state;
- 4.3 Current setting parameters. please read section 4.2 before operating, especially to enter a password"

index	designation	comments	default
F001	Output mode	0: Coarse tuning mode, "F004" How many turns to rotate 1: Fine tuning mode, "F005" How many turns to rotate	0
F002	Output range	0:0-20mA 1:4-20mA 2:0-22mA	0
F003	Display mode	0: Real Current 1: 0-100.0% 2: 0-50.0Hz	0
F004	Add and sub value for coarse tuning mode	1-50 Addition and subtraction for each pulse, No decimal point concept (1-50) $\times 10$	1
F005	Add and sub value for fine tuning mode	1-50 Addition and subtraction for each pulse, No decimal point concept (1-50)	1
F006	calibration	-999 -- +999 (be cautious in revising, about 20mA $\pm 4mA$)	

5 Precautions

- 5.1 Read this manual carefully before wiring;
- 5.2 Please turn off the power before wiring;
- 5.3 Beyond the scope of the technical indicators, it may cause abnormal operation or even damage of the cost instrument;

JS-020ISG-S-3L