

38425-TE
Q01H07 V1 (JS-mVSG-V1) Millivolt Signal Generator
ENGLISH VERSION

1: Specifications

Power: 5-24VDC
Output Voltage: -10.00mV to 100.0mV
Power: ~1W
 Max Load: 10mA
 Adjustment Accuracy: 0.01mV
 Error: $\pm 0.5\%$
 Encoder: 20PPR Basic (Pulse per Revolution)
 adjustable, parameter F001
 Output error: $\pm 0.5\%$ (customer can recalibrate,
 parameters F002/F003/F004)
 Display: 4-digit 0.36-inch Red LED

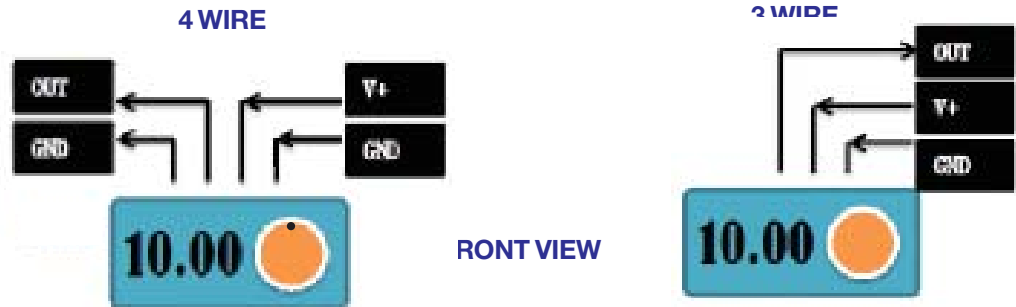
2: Dimensions

Overall **W:** 79.5mm **H:** 42 **D:** 27 Body
 Mounting:
 Recommended Cutout Size: 77x40mm
 (Cutout includes width of tab)
 Tabs provide pressure to hold in place
 Panel Thickness: ~1.4m

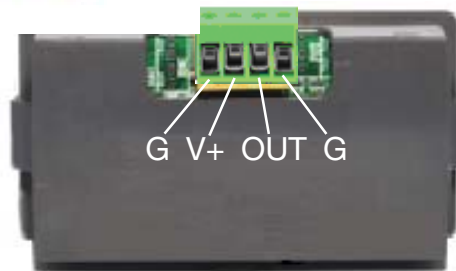


3: Connections

Header Pins With
 Mating Connector with
 Screw Clamp Terminals



G: Vss, Gnd.
V+: Vcc, 5-24VDC
OUT: Signal Out +
G: Vss, Gnd.
Note: Power Ground & Signal Ground
 are Connected Internally



BACK VIEW

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38425-TE

Millivolt Signal Generator

4. Operation:

- 4.1. Parameter Settings: **Turn Knob Clockwise (CW) for "+" and Counterclockwise (CCW) for "-"**, Press the Knob for "OK".
- 4.2. Hold down the Knob for 2 seconds to enter parameter setting mode; Display shows: F001, press OK, and then set the value of parameter F001. Press OK to save its value.
- 4.3 When parameter number "FXXX" is displayed; rotate "+" and "-" to select the parameter number, then press the knob to modify the parameter value. 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", does not display F002, but will display "----" 4 bars, requiring the input password, Using Knob, rotate to enter "+ -- +" in order (1 Click +, then 1 click -, then another -, then a click + with a slight pause between each). press the knob to display F002. Input mistake/wrong password: pressing Knob will cause the display "-err" then return to normal operation and you must repeat entering Password.

5 Parameter Table:

Number	Explanation	Note	Default
F001	Add or subtract value/per click	1-100 Value of each Knob click. Rotation + and - number, (F001 = 20, each Click changes Output by .20mV) (1 turn = 20 clicks (Default = 0 = .01mV/click)	0
F002	-10mV Calibration value	-199 to +199 For internal reference only	
F003	0V Calibration value	-199 to +199 is for internal reference only. Exercise caution when modifying this value	
F004	+100mV Calibration value	-199 to +199 For internal reference only	
F005	The output value is automatically saved	0: does not automatically save (press OK to save) 1: Auto save ~3 seconds after no operation is performed	1
	Example:	F005 = "0"; Last saved Value was 35mV, Output last setting is 50mV; Upon Power Up Output Returns to 35mV. F005 = "1" Last saved Value was 35mV; Output last setting 1s 50mV; Upon Power Up Output Returns to 50mV.	

6 Precautions

Millivolt level signals are a weak signal, to avoid interference and prevent attenuation, the Output signal wire should be as heavy and short as possible, it is best to use a large AWG, shielded line, and avoid interference sources!!

High Strand Count, Largest AWG that fits in Terminal Strip



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