



HS212 Process Signal Calibrator

- ◆ Hart Communication
- ◆ Support thermocouple type S,R,B,K,N,E,J,T.
- ◆ Support thermal resistance type Pt10, Pt100,Cu50, Cu100.
- ◆ Accomplishing pressure calibrator together with digital pressure module.

Product Description

HS212 Process Signal Calibrator intergrates measurement and output of voltage, current, resistance, frequency, thermocouple, RTD, pressure measurement into one .It can connect external pressure module and calibrate hart instrument. That is high precision, easy operation with english graphic touch buttons. It is widely used in power,oil , chemical,metallurgy ,metering etc.

Functions

- ◆ Simultaneously measure and output.
Measuring voltage, current, resistance, frequency, thermocouple, thermal resistance.
- ◆ Output voltage, current, resistance, frequency, analog thermocouple, analog thermal resistance.
- ◆ Support thermocouple type S,R,B,K,N,E,J,T.
- ◆ Support thermal resistance type Pt10, Pt100,Cu50, Cu100.
- ◆ Calibration temperature second instrument (temperature transmitter, temperature switch and so on). Analog temperature transmitter function.
- ◆ Calibrating Hart function pressure transmitter directly.
- ◆ Accomplishing pressure calibrator together with digital pressure module.

Features

- ◆ Intelligent operation form and instructed by graphic buttons.
- ◆ It supports pressure, temperature unit switch and the mutual calculation for voltage , current and temperature values and conform to ITS90 International temperature standard .

- ◆ 30V voltage can be beared with any two jacks by mistaking operation.
- ◆ The current terminal can be beared 1A current by mistaking operation for long time .Once the mistake operation cancelled, the items will return to the normal state.
- ◆ With automatic cold junction compensation, built-in cold-junction heating module, it quickly tracks the temperature changes, and carry out cold junction sensor calibration.
- ◆Dimension:185L×120W×35H (mm),Weight:0.5kg.

Working environment

- ◆ Using environment temperature: (-5 – 45)℃
- ◆ Relative humidity : 20% - 90% No condensation
- ◆ Store environment temperature: (-20 – 55)℃
- ◆ Atmospheric pressure : (86~106)kPa
- ◆ Power supply: rechargeable battery or power daapter

Technical Specification

Function		Range	Resolution	Accuracy
Measure	mV	(-10.000~80.000)mV	0.1μV	±(0.01%R.D+0.005%F.S)
	V	(0-30.000)V	0.1mV	±(0.01%R.D+0.005%F.S)
	mA	(0-30.000)mA	0.1μA	±(0.01%R.D+0.005%F.S)
	Hz	(0~50.000)kHz	1Hz	±(0.02%R.D+0.005%F.S)
	R	R-2W (0~400.000)Ω	1mΩ	±(0.02%R.D+0.005%F.S)
		R-3W (0~400.000)Ω	1mΩ	±(0.01%R.D+0.005%F.S)
		R-4W (0~400.000)Ω	1mΩ	±(0.01%R.D+0.005%F.S)
Output	mV	(-10.000~80.000)mV	0.1μV	±(0.02%R.D+0.005%F.S)
	V	(-10.000~10.000)V	0.1mV	±(0.02%R.D+0.005%F.S)
	Hz	(0~50.000)kHz Amplitude 2~11V,biass:0V	1Hz	±(0.01%R.D+0.005%F.S)
	mA	(0~24.000)mA	0.1μA	±(0.02%R.D+0.005%F.S)
	Ω	(1.000~400.000)Ω	10mΩ	±(0.02%R.D+0.005%F.S)
	DC24	±0.25V
Digital pressure module		<<Huaxin digital pressure module selection sheet>>		
Hart		Calibrating current type Hart intelligent transmitter		

