TT248H Smart HART Temperature Transmitter Module

I Abstract

TT248H offers improved measurement accuracy and reliability with HART protocol. It is compatible with ten kinds of signal transmission, including thermocouple and thermal resistance. This product utilizes 24-bits sigma-delta analog front end to ensure high precision; Anti surge and anti reverse connection can avoid the damage of misoperation in application; Enhanced software security design, including low voltage monitor, multi task scheduling optimization, is a plus. High-quality electronic components can guarantee long-term operating time and stability.

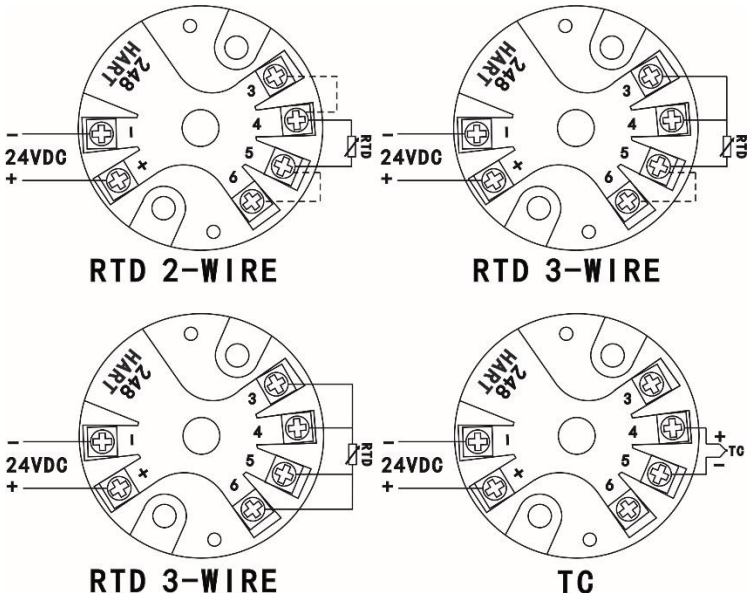
II Technical Parameter

Power	12~35VDC		Output	HART; 4~20mA
Precision	RTD 0.1%; TC 0.2%		Current Limit	20.8mA
Excitation	210uA		Sensor	TC、 RTD
Load	250Ω or 500Ω		Stock Temperture	-40~120 ℃
Drift	≤25ppm.		Shell Material	PA66
Working Temperature	-30~80℃		Mounting Screw	M3.0*2

III Connection

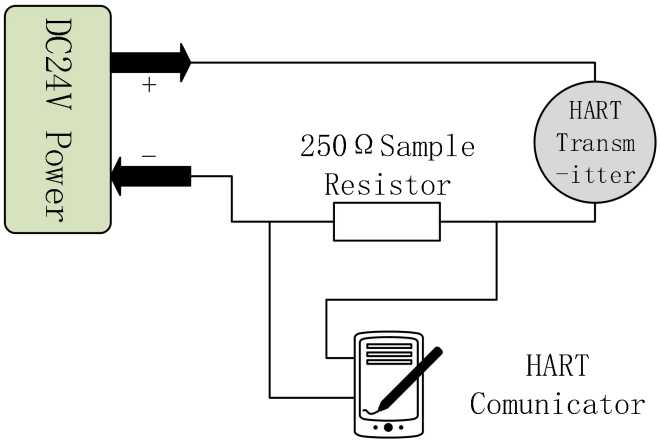
TT248H supports multiple types of sensors, including Pt100, Cu50, Cu100,TC_K, TC_E, TC_B, TC_S, TC_J, TC_N, etc.

Please connect as shown, solid lines need to be connected to the sensor, while dotted lines require the user to utilize short wire to connect.



IV Configuration

You can connect the HART 475 and the HART modem as follows:



1、Install the HART communication driver;

2、Install the software : reg.bat ;

3、Double click “HartMaster.exe” to the main program;

4、Click “Operate -> Cluster communication port” in the desk to choose the proper COM port;

5、“HART setup”、“Configuration” and “Current adjustment” tabs are shown in the main screen, please set as needed.

V After-sales Service

All products purchased from our company are guaranteed to keep in good repair for one year. If any quality problems happen in guarantee period, our company will maintain for free.

At the same time, our company will provide technical support for life.

If you are caught in any problems when using our products, welcome to contact us at any time.