

Temperature Transmitter Data Sheet

SBWZ Intelligent Temperature Transmitter

Introduction

- SBWR Serial thermocouple temperature transmitter and SBWZ serial RTD temperature transmitter is a spot mounted temperature transmission unit in DDZ-S serial instruments and meters .
- It adopts the two-wire transmission method (the power input and the signal output are two communal conductors).
- There is a linear 4~20mA current signal between the output and the measured temperatures.
- The transmitter may be installed inside the terminal box of the thermocouple and the thermal resistance to form an integral structure, and also independently mounted in the instrument panel as a change-over unit.
- Application: To be a new generation thermometric meter, it is widely applied in the industrial and scientific research fields such as petroleum, chemicals, textile, metallurgy, electro-machinery, electric force, aviation, food, processing, pharmaceutical engineering, etc for the purpose of automated temperature testing, transmitting and controlling.

Features:

- ◆ Can be directly installed in the sensor terminal box
- ◆ Accurate signal can be transmitted far way(Max 1000M)
- ◆ High accuracy with long-term stability, maintenance-free



RoHS

Technical Characteristics

Model	SBWZ-K-Type
Work system	Two wire system 4 ~ 20 mA output
	Thermocouple input signal: two-wire system
Working Voltage	DC24V±1V
Measuring Range	Thermocouple K: 0~500°C, 0~600°C, 0~700°C, 0~800°C, 0~1000°C, 0~1200°C, 0~1300°C
Accuracy grade	0.2%FS 0.5%FS
Working Environment	Temperature: 0-85°C
	Relative Humidity: ≤95%RH
Load capacity	≤350Ω