

TEMPERATURE MEASUREMENT

FDWB Temperature Transmitter

Product Overview

FDWB series temperature transmitter can directly measure the temperature of various liquid, gas medium and solid surface. A special temperature module is used to linearly correct the temperature sensing element and output standard analog signal and digital signal. The product is easy to use, with various structures and output forms, and can meet the temperature measurement requirements of various fields such as petroleum, chemical industry, metallurgy, power station, light industry and shipbuilding.



Main Feature

◆ Output current or digital signals, save compensation wires, and have strong anti-interference ability
◆ Safe and reliable, long service life
◆ With linearization function, thermocouple transmitter, it has automatic cold compensation function
◆ Optional intelligent HART protocol, RS485 protocol, etc.

Technical Index

Item	Technical parameters
Measuring Range	- 200℃ ~ 600℃ (Resistance sensor) 、 0℃ ~ 1700℃ (Thermocouple sensor)
Accuracy	0.25%FS、 0.5%FS、 1.0%FS (By the graduation number and measuring range)
insulation resistance	≥ 100MΩ (15℃ ~35℃ , RH ≤ 80%)
Power supply	12V DC ~ 30V DC
Output signal	4mA ~ 20mA DC、 1V DC ~ 5V DC.etc.
Protocol	HART、 RS458
Probe length	100mm ~ 10000mm
Probe Diameter	φ 3, φ 4, φ 6 , φ 12, φ 16
Probe Material	SS304,SS316,HG3039,SS lined with PTFE
Wiring	GDM,waterproof,explosion-proof,etc.
Installation Method	Fixed thread type,flange type,etc.

Dimensions	Thermowell drawing