

## DFT4100 Temperature Transmitter



### Features

- Exquisite appearance and detailed design
- Can provide diverse user customization
- Small size, easy to install
- Made entirely of stainless steel, corrosion-resistant
- High cost performance
- Diversified output forms

### Overview

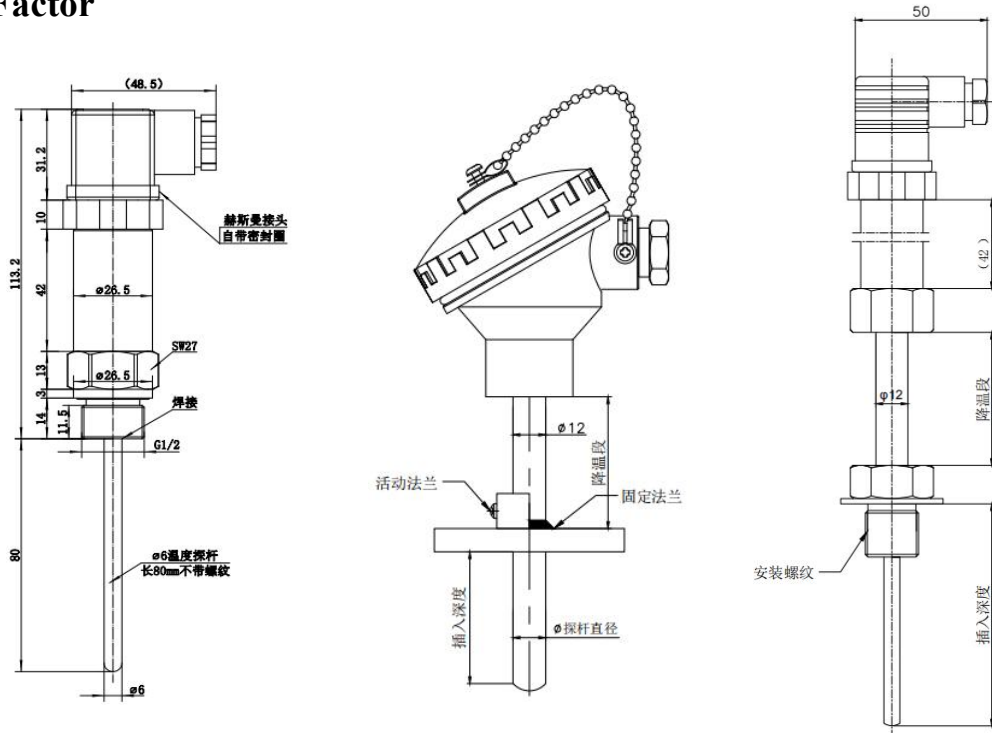
DFT4100 temperature transmitter, which can directly measure the temperature of various liquids, gas media and solid surfaces in the range of  $-200\text{ }^{\circ}\text{C}$  to  $500\text{ }^{\circ}\text{C}$ . A dedicated temperature module is used to perform linear correction of the temperature sensing element and output a standard analog signal. The product is easy to use and has a variety of output forms, which can meet the temperature measurement requirements of various sites in the fields of hydrology and water resources, water affairs, metallurgy, power stations, light industry, and the Internet of Things.

### Technical Parameters

Performance Specifications	
Power Supply	10V~30V DC 15V ~ 30V DC (with display)
Output Signal	4mA~20mA DC、RS485、HART
Accuracy	$\pm 1.0\%$ FS
Insulation Resistance	100M $\Omega$ @100V DC
Circuit Operating Temperature	$-10\text{ }^{\circ}\text{C} \sim 80\text{ }^{\circ}\text{C}$
Temperature of the medium under test	$-200\text{ }^{\circ}\text{C} \sim 500\text{ }^{\circ}\text{C}$
Show Header Temperature	$-10\text{ }^{\circ}\text{C} \sim 60\text{ }^{\circ}\text{C}$
IP Grade	IP65
Structural parameters	
CASE	Aluminum alloy (waterproof junction box)
Dielectric contact	Stainless steel 304/316 or other

material	
Temperature-sensitive components	PT100 PT1000 or other

### Form Factor



Hersman type waterproof junction box Hersman type (with cooling section)

### Electrical connection

	Hirschmann Type	Waterproof junction box
Function definition		
	Two-Wire System	Two-Wire System
Power Supply positive (+)	1	+

V)		
Output positive (+ out)	2	—
Public (GND)	Empty	Empty
earth	GND	Empty

## Selection Guide

DFT4100	Type Temperature Transmitter	
	code	Divider
	P	PT100
	code	Measurement Temperature Range
	[X~Y]°C	X, Y represent the measured lower and upper temperature limits, respectively, in degrees Celsius
	code	Output Signal
	E	4~20mA DC
	code	Protection pipe diameter, unit: mm
	6	Φ6
	8	Φ8
	12	Φ12
	16	Φ16
	code	Installation method and installation interface
	C1	Mounting thread, thread M20 × 1.5, thread length 18mm
	C2	Mounting thread, thread G1/4, thread length 14mm
	C3	Mounting thread, thread G1/2, thread length 12mm
	C14	Mounting thread, thread M16 × 1.5, thread length 18mm
	C20	Mounting thread, thread NPT1/4, thread length 14mm
	code	Protection tube insertion depth (for special requirements, please contact the company)
	L30	30mm
	L60	60mm
	L80	80mm
	L100	100mm
	L150	150mm
	code	Dielectric contact material
	bbPres s Default	Stainless steel 304L
		Other materials, please note
	code	Junction box type
	B1	Hirschmann connector
	B6	Waterproof junction box (without display)
	code	Showing
	bbPres	No Show

