

# TEMPERATURE MEASUREMENT

## FDWC Temperature Switch

### Product Overview

FDWC series temperature switches can directly measure the temperature of various liquids, gaseous media and solid surfaces in the range of  $-200\text{ }^{\circ}\text{C}$  ~  $600\text{ }^{\circ}\text{C}$  . Using a special temperature module, the temperature sensing element is linearly corrected, and the relay switch signal, standard analog signal and digital signal are output. The product is easy to use, has various structures and output forms, and can meet the temperature measurement requirements of various fields in the fields of petroleum, chemical industry, metallurgy, power station, light industry, and shipbuilding.



### Main Feature

◆ Can output current or digital signal, save compensation wire, strong anti-interference ability
◆ Safe and reliable, long service life
◆ 4mA~20mA DC, relay switch signal, RS485 protocol, etc.
◆ With linearization function, high measurement accuracy

### Technical Index

Item	Technical parameters
Measuring Range	$-200^{\circ}\text{C}$ ~ $600^{\circ}\text{C}$ ( Resistance sensor )
Accuracy	0.5%FS
Resistance	$\geq 100\text{M}\Omega$ ( $15^{\circ}\text{C}$ ~ $35^{\circ}\text{C}$ , $\text{RH} \leq 80\%$ )
Power supply	12V DC ~ 30V DC、220V AC
Output signal	4mA ~ 20mA DC、1V DC ~ 5V DC、switch signal
Protocol	RS485
Probe length	100mm ~ 10000mm
Probe Diameter	$\phi 3$ 、 $\phi 4$ 、 $\phi 6$ 、 $\phi 12$ 、 $\phi 16$
Probe Material	304、316、Stainless steel lined with PTFE, etc.
Wiring	Side outlet, rear wiring, explosion-proof type, etc.
Installation	Fixed thread type, flange type, etc.

Dimensions	Electrical interface and wiring