

Main Specifications

▼ Process connection

Material: stainless steel

Welded structure

M20x1.5 male thread

M27x2 male thread

G1/2" male thread

Other thread type available upon request

▼ Electrical connector

M12x1 5-pin

M12x1 8-pin (for RS485)

▼ Screen display

5-digit OLED high brightness display

▼ Alarm output

2-way PNP

Two sets red LED warning light

▼ Analog output

Current output ▼

4~20mA / 0~20mA

Voltage output ▼

0~5VDC / 0~10VDC

▼ Digital output (option)

RS485

▼ Temp. measurement range

-50 to 260°C

▼ Stem

Outer diameter: Ø6mm

Length: 50mm (standard)

Other stem length available upon request

▼ Applicable media

Liquid and gas that compatible with stainless steel

▼ Operating temperature (body)

-30 to 80°C

▼ Storage temperature

-40 to 80°C

▼ Protection level

IP65

Other Specifications

▼ Case

SS304

▼ Power supply

12-30VDC

▼ Temperature unit (Fixed)

°C / °F / K

▼ Screen resolution

±0.01°C

▼ Switch type

N.O. / N.C.

(Custom setting available)

▼ Contact rating

Max. 1.0A

▼ Switch operating mode

Hysteresis mode /

Window comparator mode

▼ Response time

<10ms

▼ Switch delay setting

0.00s~1000.0s

▼ Measuring elements

Pt1000

▼ Refresh rate

≤ 5secs

▼ Accuracy

≤±0.5°C

▼ Temperature drift

±0.15%/10k

▼ Stability

±0.3% F.S./year

▼ Vibration resistance

≤10g/10Hz...500Hz

▼ Impact resistance

≤50g/11ms

Digital Temperature Switch

Model: DTS-ST5

Introduction

DTS-ST5 digital temperature switch equips 2-way switch alarm output, one analog signal output and OLED display screen, integrating temperature switch, transmitter and field display functions in one. DTS-ST5 is suitable for industrial fluid temperature measurement, control and monitor such as cleaning liquid, coolant, hydraulic oil and lubricants.



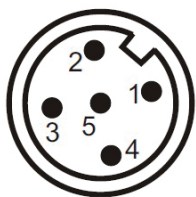
Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- Integrating temperature switch, transmitter and display functions in one design
- 5-digit OLED high brightness screen display
- 3 large touch buttons with backlight design, user-friendly parameter setting
- 2-way PNP switch output
- Adjustable actuation point, switchable switch mode (normally open / normally closed)
- Various analog outputs available, user-adjustable zero & span value
- RS485 output (option)
- Switchable display mode: Pipeline temp. display, max. / min. temp. display, ambient temp. display
- 330° Rotatable meter, 180° flip screen
- Temperature measuring range: -50~260°C
- Protection level IP65

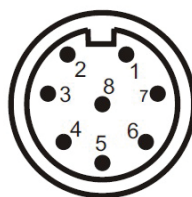
Electrical connector

M12x1 5-pin



- 1 () : VCC (Power +)
- 2 () : K1 (Switch 1)
- 3 () : GND (Power -)
- 4 () : K2 (Switch 2)
- 5 () : AO (Analog output)

M12x1 8-pin



- 1 (Brown): VCC (Power +)
- 2 (White): K1 (Switch 1)
- 3 (Blue): GND (Power -)
- 4 (Pink): K2 (Switch 2)
- 5 (Gray): AO (Analog output)
- 6 (Yellow): A (RS485-A)
- 7 (Green): B (RS485-B)
- 8 (RED): NC

How to order

DTS-ST5		Digital Temperature Switch				
Code	Process connection					
M20	M20x1.5 male thread					
M27	M27x2 male thread					
4G	G1/2" male thread					
O	Others (please specify)					
Code	Electrical connector					
C5	M12x1 5-pin					
C8	M12x1 8-pin (with RS485 output)					
Code	Stem length					
Custom	Specify your stem length					
Code	Analog output					
A1	4~20mA					
A2	0~20mA					
V1	0~5V					
V2	0~10V					
Code	Temperature unit					
C	°C					
F	°F					
K	K					
Code	Other requests					
/A	Third party notarized documents					
/B	Inspection report					
/C	Tag					
/D	RS485 output					
/E	Connection material SS316					
DTS-ST5	4G	C5	50mm	A1	C	Order example: DTS-ST5-4G-C5-50mm-A1-C