

Main Specifications	Other 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	▼ Case SS304
▼ Electrical connector M12x1 5-pin M12x1 8-pin (for RS485)	▼ Power supply 12-30VDC
▼ Screen display 5-digit OLED high brightness display	▼ Temperature unit (Fixed) °C / °F / K
▼ Alarm output 2-way PNP Two sets red LED warning light	▼ Screen resolution ±0.01°C
▼ Analog output Current output ▼ 4~20mA / 0~20mA Voltage output ▼ 0~5VDC / 0~10VDC	▼ Switch type N.O. / N.C. (Custom setting available)
▼ Digital output (option) RS485	▼ Contact rating Max. 1.0A
▼ Temp. measurement range -50 to 260°C	▼ Switch operating mode Hysteresis mode / Window comparator mode
▼ Stem Outer diameter: Ø6mm Length: 50mm (standard) Other stem length available upon request	▼ Response time <10ms
▼ Applicable media Liquid and gas that compatible with stainless steel	▼ Switch delay setting 0.00s~1000.0s
▼ Operating temperature (body) -30 to 80°C	▼ Measuring elements Pt1000
▼ Storage temperature -40 to 80°C	▼ Refresh rate ≤ 5secs
▼ Protection level IP65	▼ 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.



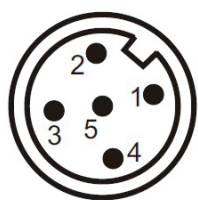
Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

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

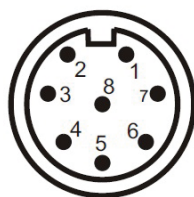
Electrical connector

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