



## DST1000

Temperature and humidity transmitter

DST1000 is a temperature and humidity transmitter with high performance but low cost, applied to HVAC and clean room. The creative design of structure is based on airflow and heat transfer theory. Built-in sensors ensure its stability. Online calibration is available thanks to the digital calibration technology. Optional output interfaces of voltage, current and digital signal due to its flexible design.

More info please visit [www.zoglab.cn](http://www.zoglab.cn)



# DST1000

## Temperature and Humidity Transmitter

### Specifications

- Design for airflow velocity and heat transfer rate
- Applied to HVAC and clean room
- High-accuracy, wide-measuring range
- Wide view angle LCD for sharp display
- Analog or digital output with current, voltage and RS485
- On line calibration availability

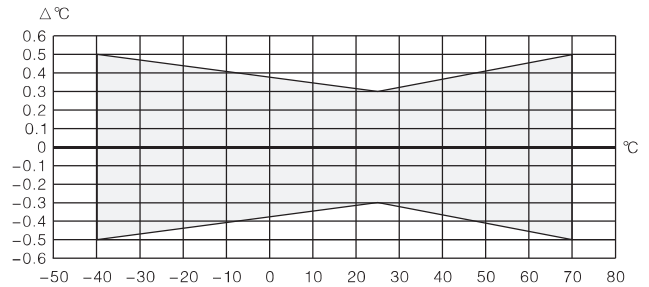
Measuring Data	
T Measuring range	0°C~50°C, -30°C~70°C, -40°C~60°C
T Accuracy	±0.3°C(23°C±2°C), Full scale ±0.5°C
T Resolution	0.1°C/0.2°F
RH Measuring range	0%~100%RH
RH Accuracy	±3%RH(10%~85%RH), Other range ±5%RH
RH Resolution	0.1%RH

Sensing Probe	
T Sensor model	NTC
RH Sensor model	Humidity capacitance

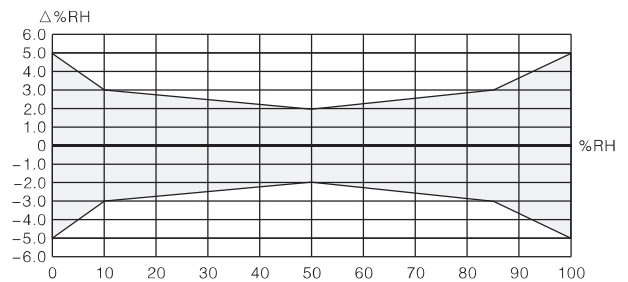
General	
Power supply	4~20mA (0.02 x R <sub>L</sub> +10V)<U <sub>v</sub> <30V DC 0~1V/0~5V 10V DC~30V DC 0~10V 15V DC~30V DC
Working temperature	-30°C~70°C, -40°C~60°C(No display) Best fit 0°C~50°C
Working humidity	0%~100%RH
Storage temperature	-50°C~90°C
Transmitter type	2 wires 4~20mA, Voltage output, RS485
Analog output	4~20mA R <sub>L</sub> <(U <sub>v</sub> -10)/0.02<500Ω 0~10V -1mA<I <sub>L</sub> <1mA 0~5V -1mA<I <sub>L</sub> <1mA 0~1V -1mA<I <sub>L</sub> <1mA
Power consumption	≤4mA(24V DC)
Digital output	RS485(Only for DD version)
ESD Protection	±25KV
IP Class	IP50
Certificates	CE、FCC、VCCI、C-TICK

General Features	
Housing	ABS+PC, flame-retardant, toxicity and halogen free
Dimensions	100×100×25.5mm
Weight	80g

### Temperature Accuracy



### Humidity Accuracy



### Dimensions (Unit:mm)

