



• Applied To HVAC and Clean Room

## DST1000 Temperature and Humidity Transmitter

DST1000 is ZOGLAB's low cost high performance transmitter specialized for HVAC. The innovatively structure is elaborately designed to allow air flow and heat transfer. Built-in temperature and humidity sensor ensures DST1000 to work stably and reliably. Professional digital calibration technology makes online calibration possible. Flexible electrical design provides various output interfaces for RS485, voltage and current.



HVAC



Multiple Output



Online Calibration



High Precision Measurement



High-Definition Screens



Low Cost



## DST1000 Temperature and Humidity Transmitter

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

### Technical 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), ±0.5°C(FS)
T Resolution	0.1°C/ 0.2°F
T Sensor model	NTC
H Measuring range	0%~100%RH
H Accuracy	±3%RH(10%~85%RH), ±5%RH(other range)
H Resolution	0.1%RH
H Sensor model	capacitive sensor
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 wire 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)
IP Level	IP50
Housing	ABS+PC, flame-retardant, toxicity and halogen free
Dimensions	100.0×100.0×25.5mm
Weight	80g
Patent No.(China)	201130349840.6

### Product Model

## DST1000-AA111

AA: 4~20mA  
V1: 0~1V  
V5: 0~5V  
VV: 0~10V  
AR: Humidity 4~20mA,  
temperature PT100 4 wire  
VR: Humidity 0~10mA,  
temperature PT100 4 wire  
DD: RS485

1: Celsius  
0: Fahrenheit

1: T Measuring range 0°C~50°C  
2: T Measuring range -30°C~70°C  
3: T Measuring range -40°C~60°C

1: Display  
2: No display

\*Temperature range of -40°C~60°C, no display model only.



Display



NO display

### Line Products



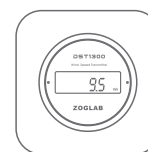
DST1100

Differential Pressure Transmitter



DST1200

Carbon Dioxide Transmitter



DST1300

Wind Speed Transmitter

## ZOGLAB

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