



# DSP1200

## Digital Temperature and Humidity Probe

### Specifications

- High accuracy with measuring range customized
- Optional analog signal or digital signal
- Single-point and multi-point calibration
- Compatible with Rotronic and Vaisala's probe command
- Optional interface M8, RJ45 and 4 wire
- Toxicity and halogen free material, complying with GXP

Measuring Data	
T Measuring range	-30°C~70°C, -40°C~60°C (-40°C~85°C customized)
T Accuracy	±0.3°C(23°C±2°C), 0.5°C(FS)
T Resolution	0.1°C/0.2°F
H Measuring range	0%~100%RH
H Accuracy	±3%RH(10%~85%RH),±5%RH(other range) (testing environment 23°C±2°C)
H Resolution	0.1%RH

General	
Power supply	5V~28V DC (0~5V 8V DC~28V DC) 0~10V 14V DC~28V DC)
Output type	Analog signal: Voltage 0~1V / 0~2.5V / 0~5V / 0~10V, linear frequency, analog frequency Digital signal: UART / I2C / SPI / USB / RS485
Interface	M8、RJ45、4 Wire
Storage temperature	-50°C~90°C
ESP protection	±25KV
IP level	IP64
Certification	CE、FCC、VCCI、C-TICK

General Features	
Housing	ABS+PC, flame-retardant, toxicity and halogen free
Dimensions	Φ12x 73mm
Wire	2m / 3m / 5m (customized)
Weight	9g

Sensing Probe	
T sensor model	NTC
H sensor model	Humidity capacitance

### Naming Convention

# DSP1200

Abbreviation	Outer Diameter	Output Type			
Digital signal probe	12 Φ12mm	00	Nonlinear frequency	30	I2C
		10	Linear frequency	40	SPI
	15 Φ15mm	20	0~10V	50	UART (TTL level)
		21	0~1V		
	18 Φ18.6mm	22	0~2.5V	60	RS485
		25	0~5V	70	USB2.0

### Probe Dimensions (Unit: mm)

