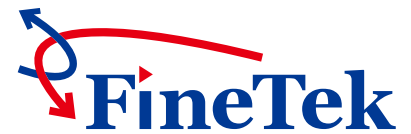


EST130 Multi-point temperature and humidity sensors



PRODUCT INTRODUCTION

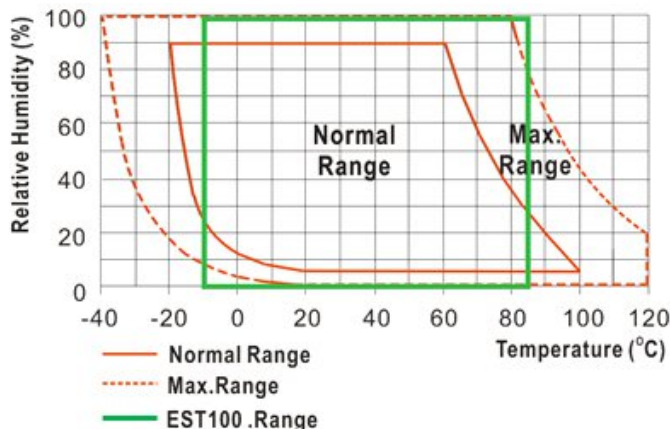
Multi-point temperature and humidity sensors can measure relative humidity and ambient temperature in different positions in real time.

The measured information is digital signal, which can output RS485 communication mode through matching with FineLink 1-wire to transmit information to the central control room or human-machine interface. By measuring the relative humidity and temperature in the airspace around the grain in real-time, it can help prevent grain spoil in storage for advanced management.

PRODUCT FEATURES

- Temperature measurement position can be customized according to customer's requirements.
- Wide application for measuring grains, corns, soybeans, wheats, flours, cement, coals, etc.
- Reinforced steel cable design can effectively resist the impact of grain and prolong service life of the product.
- Provide real-time monitoring of silo temperature to prevent grain spoil or danger of smouldering.
- Can measure relative humidity and ambient temperature.

MEASURING RANGE OF TEMPERATURE AND HUMIDITY



-10~60°C: 0~90%RH
 70°C: 0~50%RH
 80 °C: 0~35%RH
 85°C: 0~25%RH

SPECIFICATION

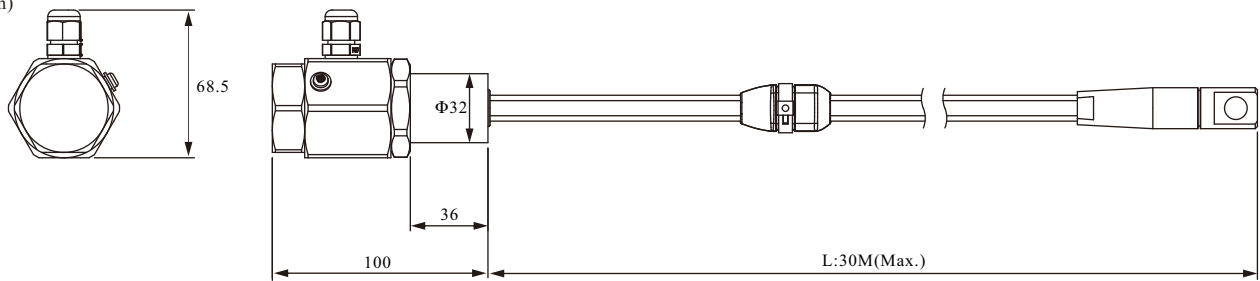
Measuring Temp. Range	-10~85°C
Resolution	0.015 °C
Accuracy	± 1 °C
Measuring moisture range	0~100%RH
Resolution	0.01%RH
Accuracy	± 2.5%RH
Length	Max.30m
Quantity of sensors	Max.30PCS
Position of sensor	One sensor is built in every 0.5 meter (available for customization)
Cable material	Coated with HDPE, inner ring is copper wire
Tensile load	1500Kgf
IP rating	IP67
Material of junction box	SS41 Carbon Steel SUS304
Outgoing cable diameter	Φ4~7mm

APPLICATIONS

- Food processing
- Feed and grain processing
- Agriculture

DIMENSION

(Unit:mm)



ORDER INFORMATION

EST 1 0 0 0 0 - C ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕

Connection

⑩ ⑪

00: None
Flange item
AK: JIS-FF
AN: ANSI-RF
AS: DIN-FF

Thread item
AA: JIS
AC: ANSI

⑫ ⑬

00: None
A8: 1-1/4"
B1: 1-1/2"
B2: 2"
B4: 2-1/2"
B5: 3"
B7: 4"
B8: 5"
B9: 6"

D9: DN32
E1: DN40
E2: DN50
E3: DN65
E4: DN80
E5: DN100

⑭ ⑮

00: None
03: PF male
07: NPT male
40: 5 kg/cm²
42: 10 kg/cm²
48: 150 Lbs
49: 300 Lbs
57: PN10
58 : PN16

⑯ ⑰ Connection material

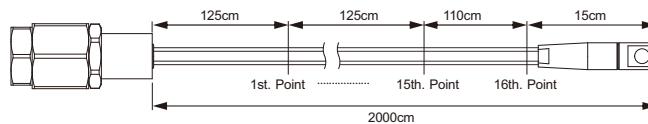
00: None
MA: SUS304
MD: Low carbon steel

⑱ ⑲ Sensor interval

01: One sensor every 0.1m
05: One sensor every 0.5m
08: One sensor every 0.8m
10: One sensor every 1.0m
15: One sensor every 1.5m
⋮
95: One sensor every 9.5m

※ Min.sensor interval distance: 0.1 meter.

Calculation for ave.interval for each sensor :
Interval=cable length/ numbers of sensor
Last sensor interval=cable length/ numbers of sensor -(deduct) 15cm
Example: cable length 20m, 16 sensors inside
Interval= 2000cm/ 16=125cm
Last sensor interval = (2000/16)-15= 110cm



⑳ ㉑ Sensor amount

01: 1 Pcs
02: 2 Pcs
⋮
30: 30 Pcs(max.)

㉒ ㉓ ㉔ ㉕ Length

Code	Probe Length
0000~9999	0001~9999mm
A000~A300	10000~30000mm

