

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.

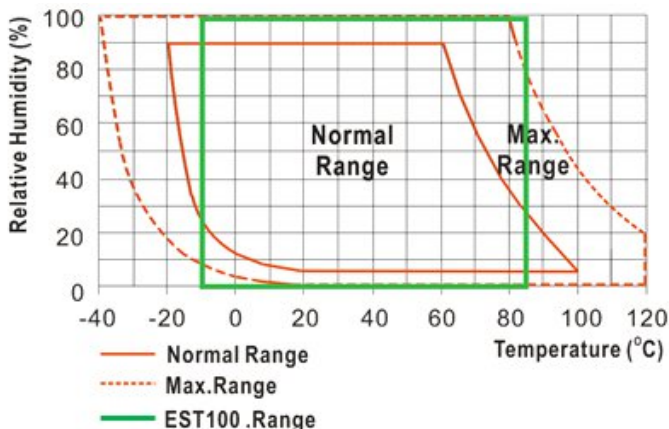
PRODUCT FEATURES

- 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.

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

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

APPLICATIONS

- Food processing
- Feed and grain processing
- Agriculture

