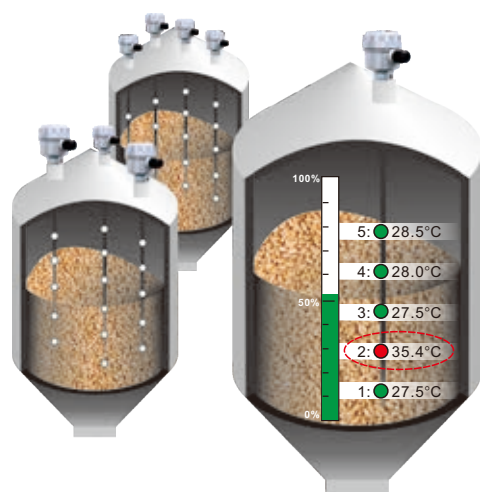


EST120 2 in 1 grain temperature & level monitoring transmitter



Introduction

For silo management, users must install temperature sensing wire and grain level sensor separately in the past to get the information of temperature and grain level. EST120 two-in-one silo temperature and grain level meter can synchronously measure grain temperature and level in the silo, to track and record grain condition, so as to provide you the optimal grain storage quality monitoring. EST120 adopts the RS485 communication interface, to transmit information to the central control room or human-machine interface. Users can monitor dual information of grain temperature and level in the silo from the far end, to conduct the most convenient and efficient grain storage management.

Features

- Unique in the industry, EST120 transmitter integrated with simultaneous monitoring of grain level and temperature.
- Steel cable design can effectively resist the impact of grain and prolong service life of the product.
- Provide real-time multipoint temperature measurement to help managers cope with food more swiftly.
- Detect whether there is fungus produced or there are activities of insects, to maintain food quality and facilitate long-term storage.
- Prevent qualitative change of grain in the silo and fire disaster due to smolder.
- Temperature measurement can be customized according to customer's requirements.
- Any two points of EST120 are in simple calibration mode of grain level.
- The product uses open main current communication interface RS485. The system user can install the device on any system having the communication interface.



Specifications

Power input	9 ~ 30 Vdc	Non-linearity of grain level	± 1 % FS
Measurement range	-10~85 °C	Output interface	RS485; Baud Rate:9600~57600 bps
Resolution	0.1 °C	Material of junction box	Aluminum alloy (ADC-12)
Accuracy	± 0.5 °C	Outgoing cable diameter	φ5.5~11.2 mm
Length	Max.30 m	Cable material	Coated with PVC, inner ring is copper wire
Quantity of sensors	Max.30 PCS	Tensile load	5000 Kgf
Position of sensor	One sensor is built in every meter	IP rating	IP 67
Sampling speed	Grain level measurement: ≤1sec Temperature measurement: ≤1sec/node		

Dimension

