

COAT ENDURE-T

Compact Admittance Level Limit Switch



Features

- Compact Admittance Switch
- 11-55 VDC
- Compact Probe Size
- Less Inventory
- Passive Shielding Compensation
- PNP Output
- Temperature Durability
 - Standard Model upto 80°C
 - High Temp. Model upto 140°C
- Microcontroller Based
- Self Diagnosis

About Coat En-Dure - T

Coat EnDure - T is a compact level switch suitable for sticky solids and pastes. The device has been designed specially for packaging plants, where material has tendency to stick on the probe.

Principle

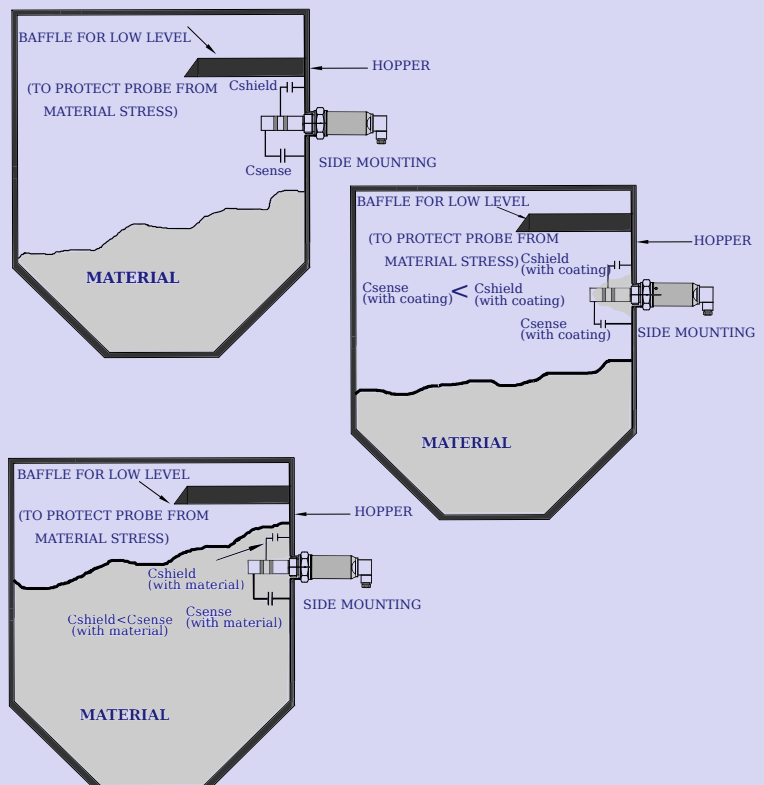
Coat EnDure-T is an improvement over traditional principle of admittance. The ring type probe has alternating active and inactive regions, which help the controller to calculate the extent of coating on the probe. In effect the device is able to identify the differential coating between sense and the shield by measuring their individual capacitances. As the coating immunity is controlled by the onboard micro-controller, the extent of coating immunity can be set easily.

Application

- Solids
- Powder
- Pastes
- Packaging industry

NOTE - For non Conductive material .

Coating Immunity



Sapcon Instruments Pvt. Ltd.

ISO 9001:2008, ISO 14001 and ISO 22000 Certified Company



Measuring System

The instrument when calibrated at a single point i.e. in air, can be used with a variety of materials for level detection. When material reaches the switching point, the instrument detects the presence of material according to the principle mentioned above and changes the outputs accordingly. The PNP output could be used for maintaining the level of the material within the desired range in the tank.

Technical Specification

Mechanical Specification :

Housing	Stainless Steel Housing
Mounting	Screw 1/2" BSP/NPT (minimum)
Flange	Available as per Specification
Cable Entry	PG 9 / 11 Plastic Conduit
Dimension	Refer Drawing/Customer Support
Probe Length	65 mm (Minimum)

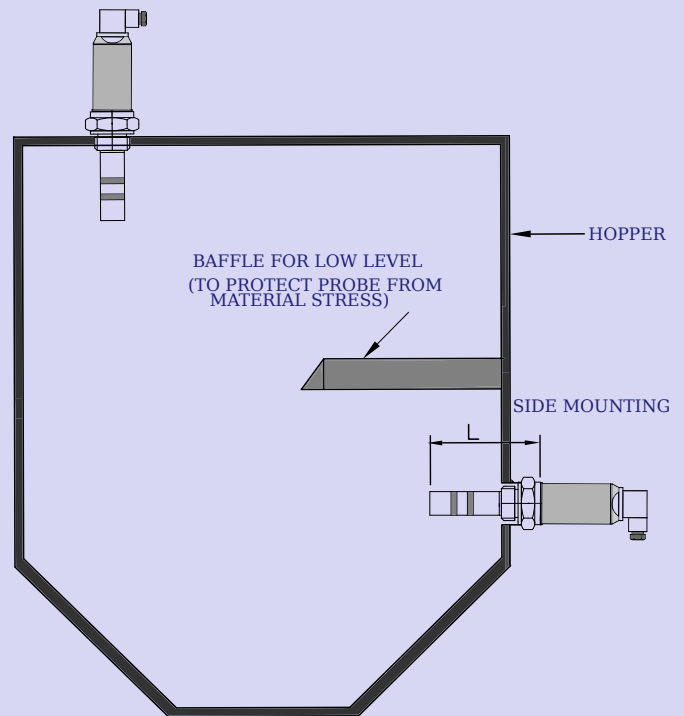
Electrical Specification

Switching	LED Indication
Indication	Red:Alarm, Green:Normal
Input Supply	11-55 VDC
Current consumption	50mA max. at 18 VDC with load
Output	Switching- PNP
Temperature	0°C to 80°C
Fail Safe	Field Select-able (Min: Fail Safe Low, Max: Fail Safe High)
Delay Setting	Covered and Uncovered 2-20 sec.

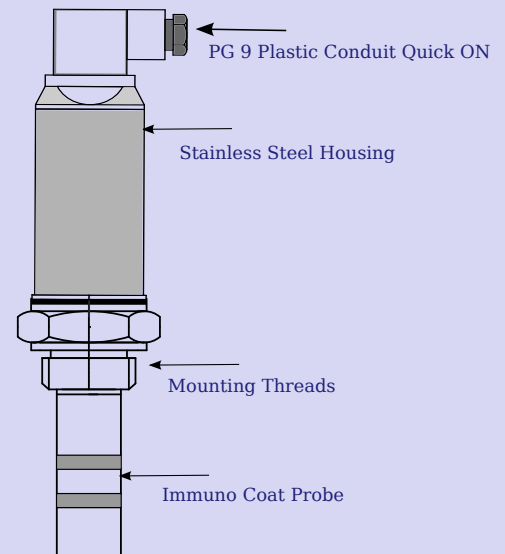
Why Sapcon

- Prompt and quick delivery
- Customization and new technology
- Complete range of instruments.
- Flexibility and interaction with management.

System Diagram



Various Parts



Industrial Sector for Coat Endure

- Foundry Equipment
- Packaging Industries
- Food & Beverage
- Material Handling