

Mini Capacitance Level Switch

We are introducing our Mini Capacitance Level Switch to sensing the liquid & solid level in various applications, which offers trouble free results in liquids & solids applications under widely varying temperatures, pressures conditions.



Application :

Mini Capacitance Level Switches are suitable for measurement of every application like Pallets, Powder, Ash, Material Handling, Rice, Husk, Food Grains, Chemical Industries, Dry Bulk Material Applications, Powders In Hoppers, Silo, Bins, Compatible With Many Bulk Solids, Pelletized And Granular Applications, Liquids, Resins etc.

Working & Principle :

In this switch Capacitance is formed between the level sensing probe and metallic wall of the vessel which act as two electrodes, and the application media acts as a dielectric medium when the sensor is introduced into the vessel. These electrodes are separated by an insulator by suitable media like solid and liquid known as a dielectric medium. When the level of process material rises, the value of dielectric changes which results in change in the value of capacitance between the level sensing probe and the vessel wall.

Technical Specifications:

| | |
|-------------------------|---------------------------------|
| Sizes of Probes | Std. 20 to 50 mm |
| Power Supply | 12-35 VDC |
| Output Signal | PNP Type / SPDT Relay output |
| Process Connection Size | Thread ½" BSP Male SS304/ SS316 |
| Process Temperatures | -40 To 125 °C |
| Process Pressure | - 1 to 10 Bar |

Model Identification :

MCLS -

| | | |
|--|--|--|
| | | |
|--|--|--|

1. Size of the Probe

| | |
|-------|---|
| 30 mm | 3 |
| 40 mm | 4 |
| 50 mm | 5 |

2. MOC

| | |
|-------|---|
| SS304 | 4 |
| SS316 | 6 |

3. Output Signal

| | |
|-----------------|---|
| PNP Type | S |
| SPDT Relay Type | R |

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