

Capacitance Level Switch DC (DCAL) - Series

OPERATING PRINCIPLE

When the probe and the electrode area are each in the air and in the material, each different capacitance value is created between them. And the capacitance value change takes place according to the change of capacitance formed between the earth rod and the probing rod as the medium's level changes. This change alters the electrical control signal of the main unit that the users can receive the relay output point of the DC sensor.

FEATURES

- Measures liquid levels.
- Widely used in chemical tanks.
- Selectable materials to suit environment condition.
- Using for control and alarm.

SPECIFICATIONS

Signal Output	1 SPDT
Contact Rating	5A / 250VAC
Operating Temperature	-20°C ~ 80°C
Max. Pressure	A.T.M
Cable Entry	1/2 Inch PF
Material	Head : Aluminum or Nylon + A.B.S Flange (Socket) : Order Spec. Insulator : P.P or P.T.F.E Probe : Order Spec.

Stand Alone Leak Alarm

- When Using “ DCAL - 100 ”
 - Supply Voltage : AC 220V
 - Probe Material : P.V.D.F
 - Built-in LED alarm light
 - Built-in Beeper

Ordering Variation

DCAL - 100 - S	Mount : Socket
DCAL - 100 - F	Mount : Flange

* Dimension : 94 Page



DCAL - 100 - S

Compact type

- When Using " DC - 300 "
 - Supply Voltage : DC 24V
 - Probe Material : STS304 or STS316
- Designed to be mainly inserted into a pipe's end.
- The pipe to apply " DC - 300 - B " must be "non-metal".

Ordering Variation

DC - 300 - B	Pipe insertion type
DC - 300 - S	Standard type (Socket)
DC - 300 - F	Standard type (Flange)

* Dimension : 94 Page



Standard type

- When Using " DC - 103 "
 - Supply Voltage : DC 5V
 - Signal Output : DC 5V
 - Probe Material : P.P
 - Compact size.
- When Using " DC - 100 "
 - Supply Voltage : AC 220V or DC 24V
 - Probe Material : STS304 or STS316
- Built-in calibration volume module

Ordering Variation

DC - 103	Mount : Socket / M10
DC - 100 - S	Mount : Socket / 2" by default
DC - 100 - F	Mount : Flange / Order spec.

* Dimension : 94 Page

