

Capacitance level transmitter DCT-Series

OPERATING PRINCIPLE

DCT (Daehan Capacitance type Transmitter) is a level transmitter which continuously measures level changes of medium (liquid) inside a tank or a vessel by using the medium's capacitance.

A capacitance value, which is created between the sensor's probe (wire) and the earth rod, changes in accordance with how deep the rods are submerged. And this detected change converts the sensor's main unit's electrical signal in order for the users to receive analog 4~20mA current output signal.

FEATURES

- Available to customize with chemical resistant materials
- Highly durable, stable structure and fast sensing speed
- Suitable for relatively narrow tanks or vessels with float-less design
- Convenient maintenance & easy calibration with built-in LCD display panel and LED bar

SPECIFICATIONS

Supply Voltage	DC 24V
Signal Output	DC 4~20mA
Measuring Range	Rod type : Max. 3M Wire type : Max. 10M
Measuring Frequency	430KHz (in case L < 5mts) 1.7MHz (in case L ≥ 5mts)
Accuracy	Full Scale ±0.5%
Operating Temp.	-20°C ~ 60°C
Operating Pressure	Max. 7Kgf/㎠
Mounting	DCT type : Order Spec. DCTS type : Min. 2" Socket
Cable Entry	1/2 Inch PF
Material	Head : Aluminum Rod Probe (Ø10) : STS304 + P.F.A (Coating) Wire Probe (Ø2.5) : STS304 + P.V.C (Coating) Weight : STS304

DCT - Series

- Sturdy, floatless design
- Cable entry size is PF 1/2".
- 2 wire connection type with 4~20mA current loop.
- Built in LCD Display panel for easier calibration.
- Additional earth rod is essentially required when the tank is made of none-conductive material.

Ordering Variation

DCT - 100	Wire Probe type
DCT - 200	Rod Probe type

* Dimension : 91 Page



DCT - 100



DCT - 200

DCTS - Series

- Compact, floatless design
- Housing Material : P.B.T
- Cable entry size is PF 1/2".
- 3 wire connection type (GND Common) Current (4 20mA) Output.
- 2 relay contact outputs for each high and low.
- Built in LED bar for easier calibration.
- Additional earth rod is essentially required when the tank is made of none-conductive material.

Ordering Variation

DCTS - 100	Wire Probe type
DCTS - 200	Rod Probe type



DCTS - 100



DCTS - 200