

# LEVEL TRANSMITTER

Level transmitters provide continuous level measurement over the range of the system rather than at a single point and produce an output signal that directly correlates to the level within a vessel.

From classic magnetic float to advanced radar, ultrasonic, and capacitance, these transmitters employ different technologies designed individually for specific level applications.

## DR - 100

The sensor's antenna transmits a radar signal of a certain frequency band and receives the radar returning refelected from an object to be measured.

And the sensor reads the gap of the radar frequency between what's transmitted and received and measures the distance between the sensor and the reflecting object.



# Radar Level Transmitter DR-100



## OPERATING PRINCIPLE

The sensor's antenna transmits a radar signal of a certain frequency band and receives the radar returning reflected from an object to be measured.

And the sensor reads the gap of the radar frequency between what's transmitted and received and measures the distance between the sensor and the reflecting object.

## FEATURES

- Brand new model using 57~64GHz frequency.
- Highly accurate level measurement with 1mm resolution.
- Sensing Max 20 meters.
- Easy calibration via free smart phone application 'DHS RC'.
- "DHS RC" is downloadable free of charge from Playstore and Appstore.
- Enclosure rating IP65.
- A verified level sensor by mutple authorities.

## SPECIFICATIONS

Wiring	4-Wiring (recommend : Shield cable 3C×24AWG)
Range	10cm ~ 20M
Dead Band	10cm
Accuracy	± 2mm
Resolution	1mm
Beam Width	8°
Frequency	57GHz ~ 64GHz
Current Consumption	Max. 200mA
Supply Voltage	DC 24V
Signal Output	DC 4~20mA (option : Bluetooth)
Operating Temp.	-20°C ~ 60°C (Head) / -20°C ~ 120°C (Lens antenna)
Mounting	PF 3 Inch (80A)
Cable Entry	1/2 Inch PF × 1pcs / M20 1.5P × 1pcs
Material	Head : Aluminum Lens Antenna : Teflon (Option) Flange : P.V.C
Enclosure Rating	IP65
Optional Software	DHS RC (Bluetooth), DTMS (RS232)

\* Dimension : 90 Page





# Radar Level Transmitter DR-200



## OPERATING PRINCIPLE

The sensor's antenna transmits a radar signal of a certain frequency band and receives the radar returning reflected from an object to be measured.

And the sensor reads the gap of the radar frequency between what's transmitted and received and measures the distance between the sensor and the reflecting object.

## FEATURES

- Brand new model using 57~64GHz frequency.
- Highly accurate level measurement with 1mm resolution.
- Sensing Max 20 meters.
- Easy calibration via free smart phone application 'DHS RC'.
- "DHS RC" is downloadable free of charge from Playstore and Appstore.
- Enclosure rating IP65.
- A verified level sensor by mutiple authorities.

## SPECIFICATIONS

Wiring	4-Wiring (recommend : Shield cable 3Cx24AWG)
Range	10cm ~ 20M
Dead Band	10cm
Accuracy	± 2mm
Resolution	1mm
Beam Width	8°
Frequency	57GHz ~ 64GHz
Current Consumption	Max. 200mA
Supply Voltage	DC 24V
Signal Output	DC 4~20mA (option : Bluetooth)
Operating Temp.	-20℃ ~ 60℃(Head) / -20℃ ~ 120℃ (Lens antenna)
Mounting	PF 3 Inch (80A)
Cable Entry	1/2 Inch PF x 2pcs
Material	Head : PBT-FR-GF10 Lens Antenna : Teflon (Option) Flange : P.V.C
Enclosure Rating	IP65
Optional Software	DHS RC (Bluetooth), DTMS (RS232)

\* Dimension : 90 Page

