

DAEHAN SENSOR



Magnetic Flap Type Level Gauge
with level Transmitter

DLG – Series

Transmitter with analog output

Product Name

DLG – 100F – T – S



ISO 9001 인증업체

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SPECIFICATIONS

Media : Only Liquid

Wiring : 2 wire (input/output the same)

Range : Minimum – 500mm(19.68inch)
Maximum – 6000mm(236.22inch)

Impedence : 450Ω (When using DC 24V)

Input Voltage : DC 24V

Output Signal : DC 4~20mA
Connect Output (only alarm)

Temperature : -10°C ~ 120°C

Pressure : Max. 100Kgf/cm²

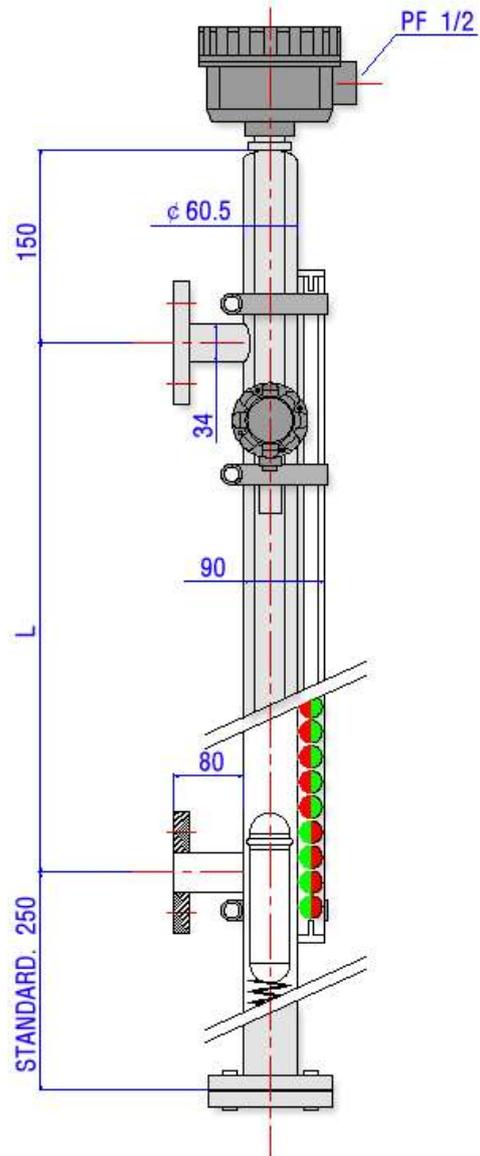
Material : Head Housing – Aluminum

Stem – SUS304
(Option – SUS316)

Socket & Flange – SUS304
(Option – SUS316)

Float – Titanium

Sotpper – SUS304
(Option – SUS316)



Introduction

DLG-Series level sensor is to measure the fluid that stored in a tank. As a chamber type installation, it is easy to read the height of fluid through the change of sensor flap. You can use this as a transmitter which outputs in the way of current type (DC 4~20 mA) or voltage type (DC 1~5V) Additionally, you can install external contact signal output as a level switch.

Features

This sensor is for indicating liquid level and alarming to control.

It is easy to install so that generally used.

It is able to use in chemical, industrial waste water, food/beverage tank, fuel tank.

For high-pressure, high-temperature

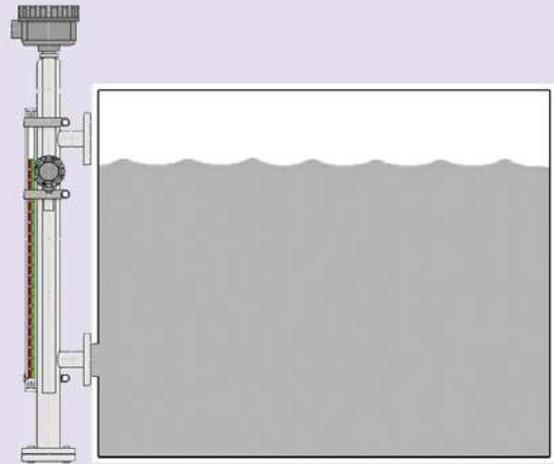
Installation

As shown in the picture, it is installed and using.

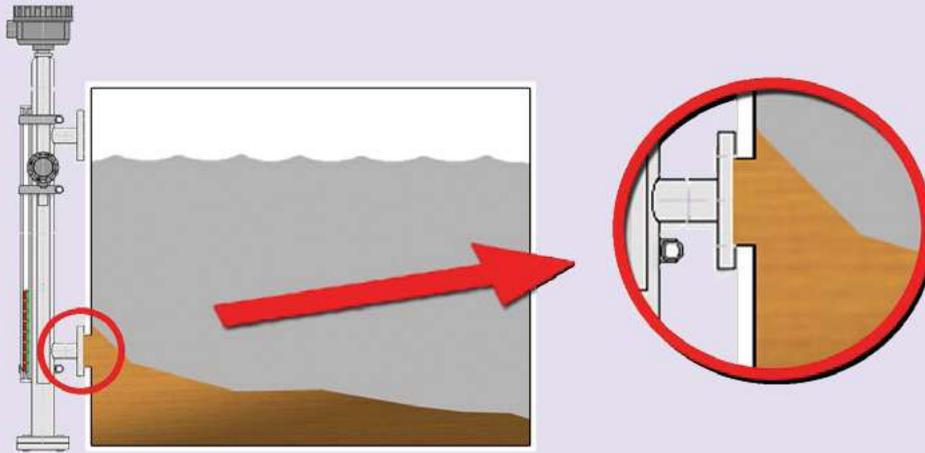
Check if the flanges specification match between Tank and product.

Insert a float and stem into the tank and make sure that it is installed vertically right.

Connect wiring between sensor contact terminals and controller.



◎ Installation Caution ◎

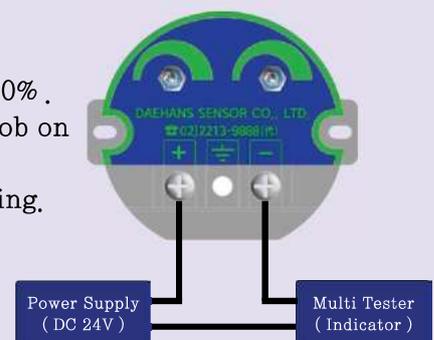


When the entrance of the chamber is clogged with any stuff like sediment as shown in the picture, the level transmitter can not operate normally as well as the liquid level indicator.

Be cautious not to get clogged in the chamber entrance.

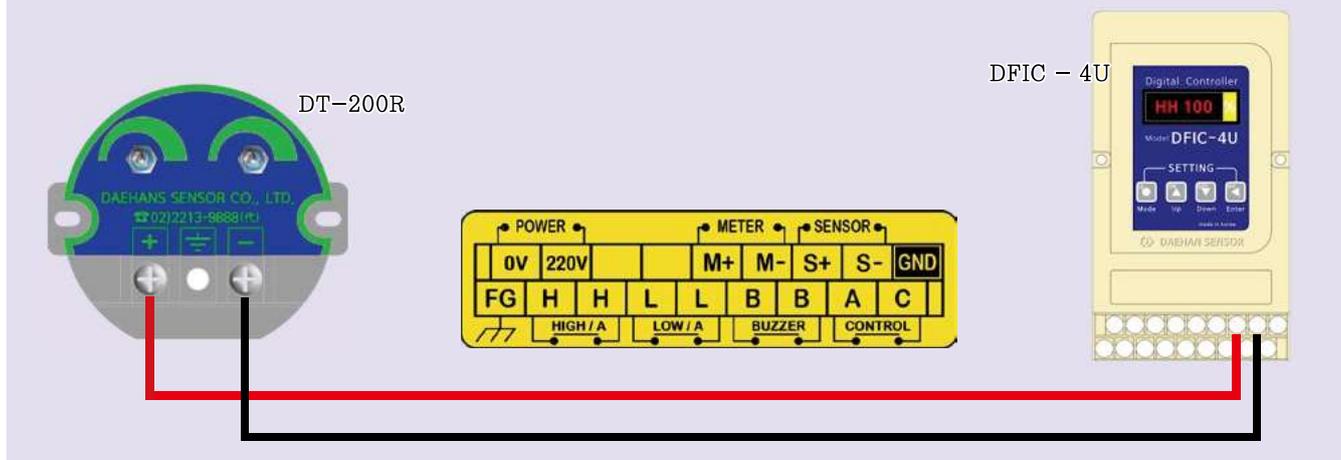
Calibration

1. When you provide DC 24V to the DT-200 and put the float to the bottom point, the indicator connected with the sensor show 0% .
2. If the value is out of the range of 0%, turn the ZERO volume knob on the converter to set as 0 point exactly.
3. After finishing ZERO adjustment, put the float up to the top point. Then, the indicator show 100% .
4. If the value is out of the range of 100%, turn the SPAN volume knob on the converter to set as 100 point exactly.
5. Repeat step 1 ~ step 4 until if is exactly set, then install the sensor in the tank. When the entrance of the chamber is clogged with any stuff like sediment as shown in the picture, the level transmitter can not operate normally as well as the liquid level indicator. Be cautious not to get clogged in the chamber entrance.

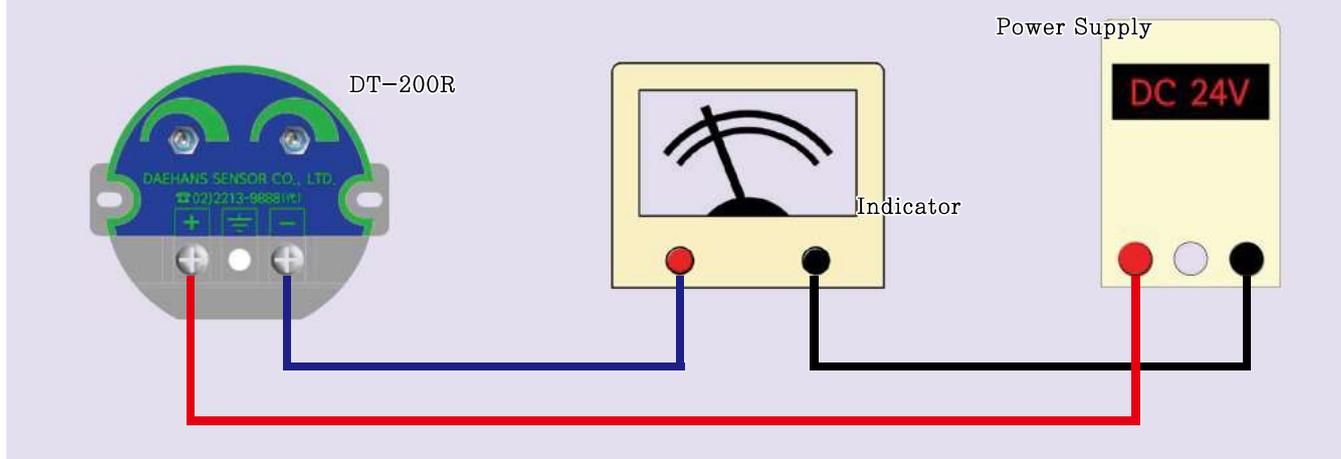


Wiring Connection

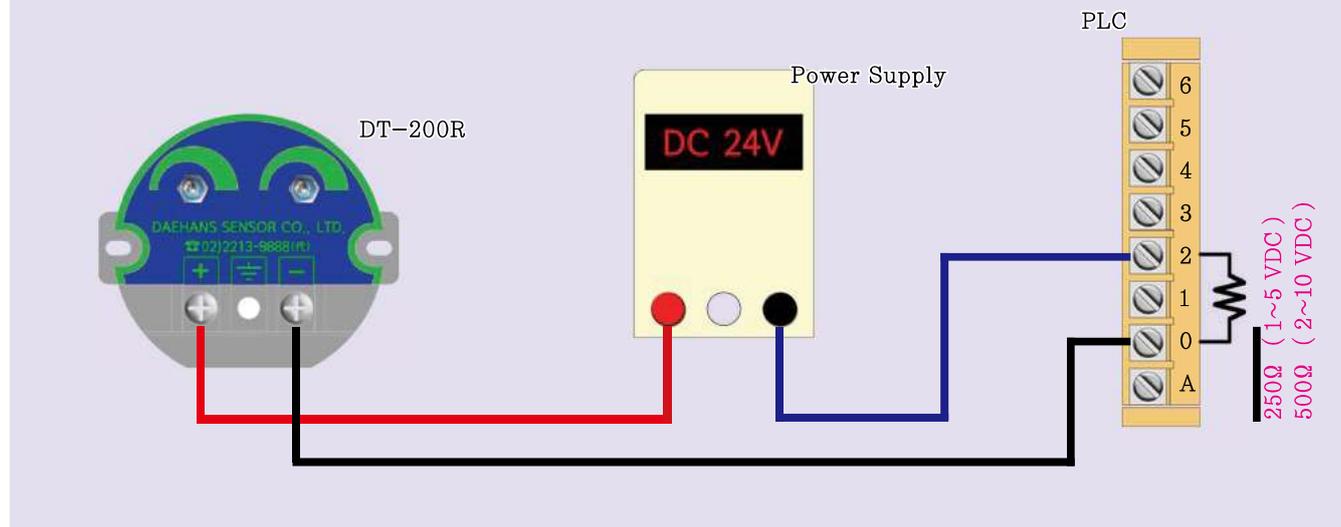
Wiring to a Daehansensor Controller



Wiring to a two-wire loop indicator



Wiring to a two-wire loop indicator



Check & A/S

The Current output is normal?

: Make it sure that output, 4~20mA, is normally coming out.

The wiring is correct?

: Check the connect the wire short-circuit and / or poor contact.

The state of sensor, inside, is normal?

: Problem is caused by exterior structures?

Check if water or liquid exists inside of the sensor.

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