



... the level & gas people

ISO-9001 : 2000 CERTIFIED COMPANY

BULLETIN NO. 40D

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## DIAL TYPE LEVEL INDICATOR /TRANSMITTER

### Introduction

The buoyancy generated by the float operates the spring. And the gear connected to the spring moves to display the liquid level.

The way to transmit the electric current signal to the outside is sending a signal (4~20mA) by installing a potentiometer converter.

### Features

It is easy to be installed in the tank without ceiling space

Both the site demanding and remote demanding are possible.

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

### SPECIFICATION

Media:	Only Liquid
Wiring:	2-wire type (input/output)
Impedance:	450Ω (When using DC 24V)
Input Voltage:	DC 24V
Output Signal:	DC 4~20mA
Temperature:	A.M.B
Pressure:	A.T.M
Material	
Head Housing:	Aluminium
Flange:	CS/SS304/SS316/Other (Please specify)
Socket:	SS304 (Option)
Float:	SS304/SS316
Wire:	SS316



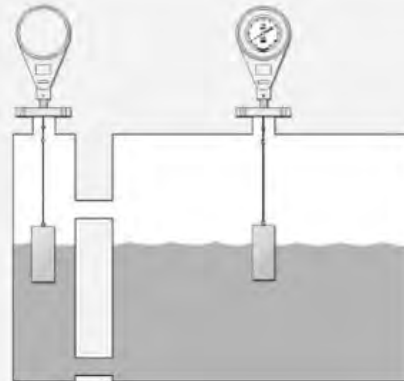
## INSTALL & CALIBRATION

### 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 ⚠

Note the following and install it.



As shown in the picture, when you install Sensor, if the wire is bent or warped, it could be the cause of the malfunction of sensor. Please note that when installing.

### Calibration

#### Step 1

: When you provide DC 24V to the DGS-100A and put the float to the bottom poing, the indicator connected with the sensor show 0% (4mA).

#### Step 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.

#### Step 3

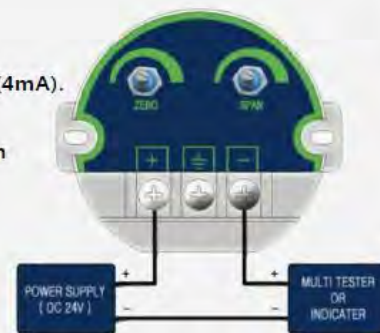
: After finishing ZERO adjustment, put the float up to the top poing. Then, the indicator show 100% (20mA).

#### Step 4

: If the valus is out of the range of 100%, turn the SPAN volume knob on the converter to set as 100 point exactly.

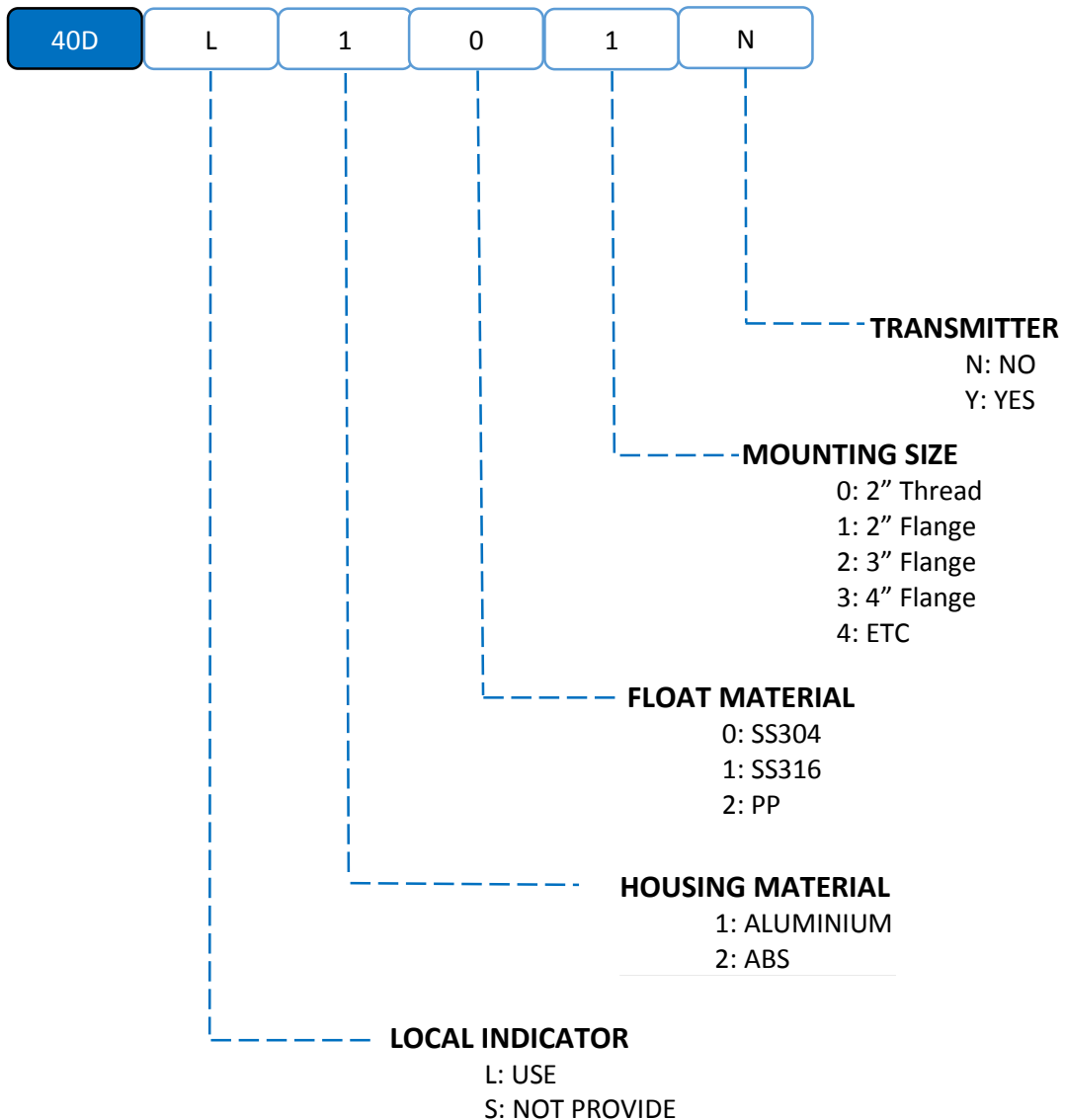
#### Step 5

: Repeat step 1 ~ step 4 until if is exactly set. then install the sensor in the tank.



## Ordering information

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