

General Information

HLG-100F Series

Magnetic Flap Type
Level Gauge



HITROL CO., LTD.

General

Magnetic Flap Type Level Gauge, HLG-100F, has been designed to solve the some problems of Glass Type Level Gauge.

This can measure level of liquids of corrossion, high temperature and pressure. Especially it can be used with transmitter or switch.

Principle

Magnetic float is built in the stainless steel pipe. As the float moves up and down depends on the liquids level, magnetic flap indicates the level of liquids by float. The material of flap is alumium or polycarbonate with magnetic. The color change depends on position of magnetic float.

The green color is indicated when the

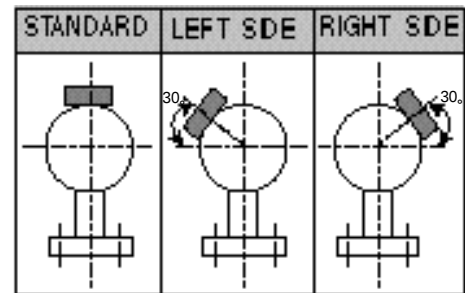
liquid is empty. And the red color is indicated when the liquid is full out in tank.

As an option, Magnetic Flap Type Level Gauge has the output signal of contact or current and local indicator.

And also, Hitrol can supply the Magnetic flap Type Level Gauge with Explosion proof type(Exd IIC T4)

Application

- * All kinds of liquids
- * High temperature/pressure
- * The liquids of strong corrossion
- * Local indicating with contact and current output signal
- * The tanks that require local indicating, contact and current output simultaneously
- * As an option, LED can be used for dark area



Indicator Position

Speccifications

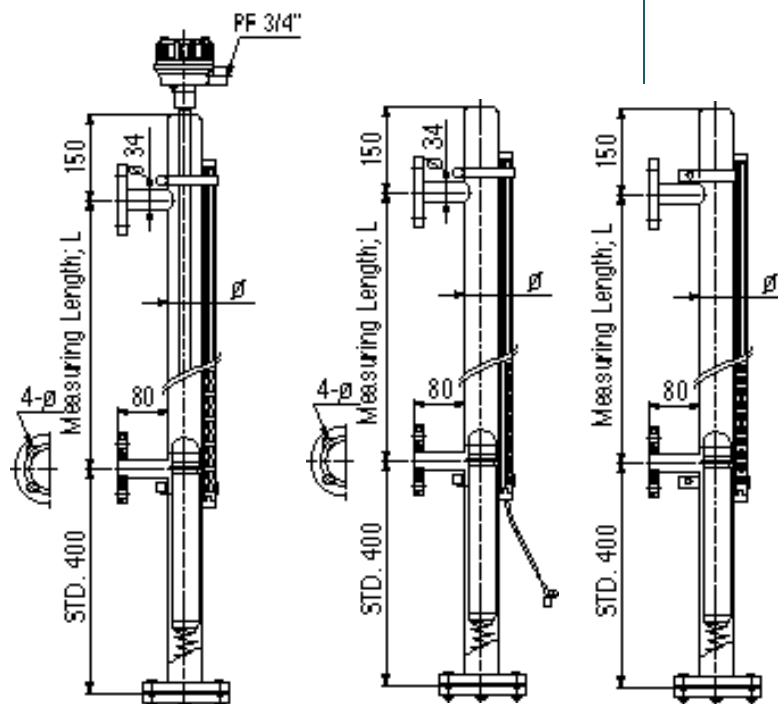
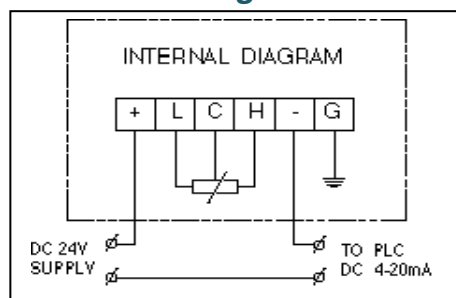
Mounting Method		Tank Side-Side	
Mounting Size		JIS 25 A 10 K RF(STD.)	
Max. Press.		STD. : 10 kg/cm ²	
		Special Version : Max. 100 kg/cm ²	
Max. Temp.		STD. : 120	
		Special Version : Max. < 350	
Measuring Range		Min. 0~350 mm	
		Max. 0~5000 mm	
Option(Output signal)		Contact : SPDT or DPDT	
		Transmitter : 4~20 mA	
Analog Output(4~20 mA)	Model	HLG-100FT	
	Power	DC 5V ~ 40V	
	Output	4 ~ 20mA DC	
	Enclosure	Ex-Proof	
		(d2G4 & Ex d IIC T4 IP65)	
	Temp.	-10 ~ 150	
	Combination	Control Unit & Converter	
		Type	Panel Inside
		Model	HTA- (200,300,400)N
		Output	4 ~ 20mA
		Setpoint	2,3,4 Point
		Power	AC 110/220V 60Hz
		Rating	AC 250V 5A
Alarm Contact	Model	FLS-20W	
	Contact	Self holding type, Micro Switch	
		1 × SPDT, 1 × DPDT	
	Rating	AC 250 V 15 A	
		DC 125 V 0.5 A	
	Temp.	-10 ~ 200	
	Repeatability	± 15 mm	
	Hysteresis	Max. 30 mm	
	Action	High or Low alarm	
	Enclosure	Weather proof	
		NEMA 4.	

HLG-100F can give output signal of contact and current as an option.

Dimensions

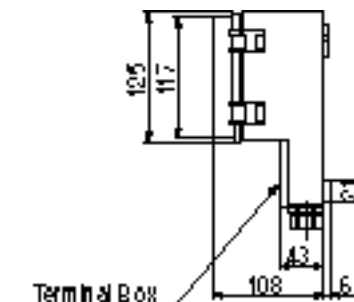
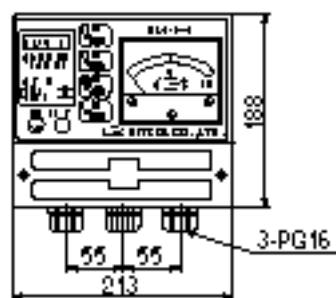
No.	Density	Chamber		Float
		H	L	
1	0.625 ~ 0.7	150	400	380
2	0.65 ~ 0.75	150	400	380
3	0.7 ~ 0.85	150	400	350
4	0.75 ~ 1.10	150	400	350
5	0.85 ~ 1.3	150	400	350

HLG-100FT Diagram

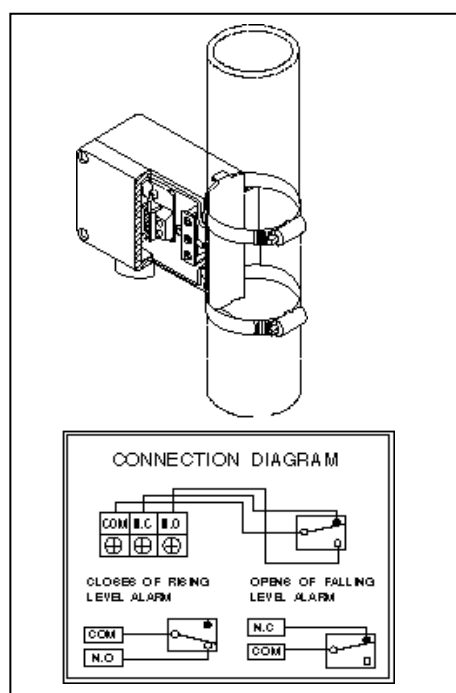


LED Type Controller

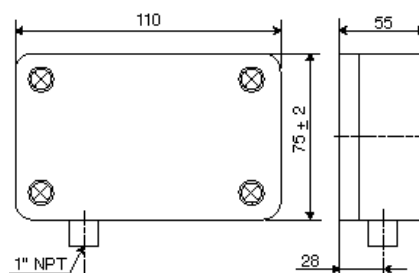
Model	HLC-100I
Output	4 ~ 20mA DC
Power	AC 110/220V 60Hz
Rating	4-SPDT/AC 250V 5A
Temp.	MAX. 80
Display	0 ~ 100%



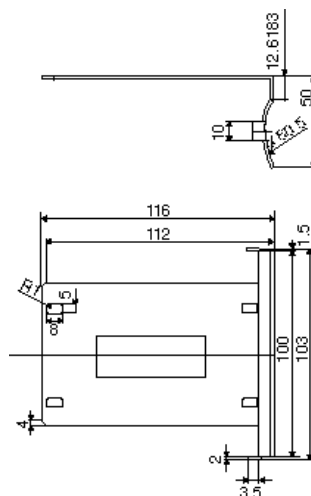
Switch Assembly Drawing



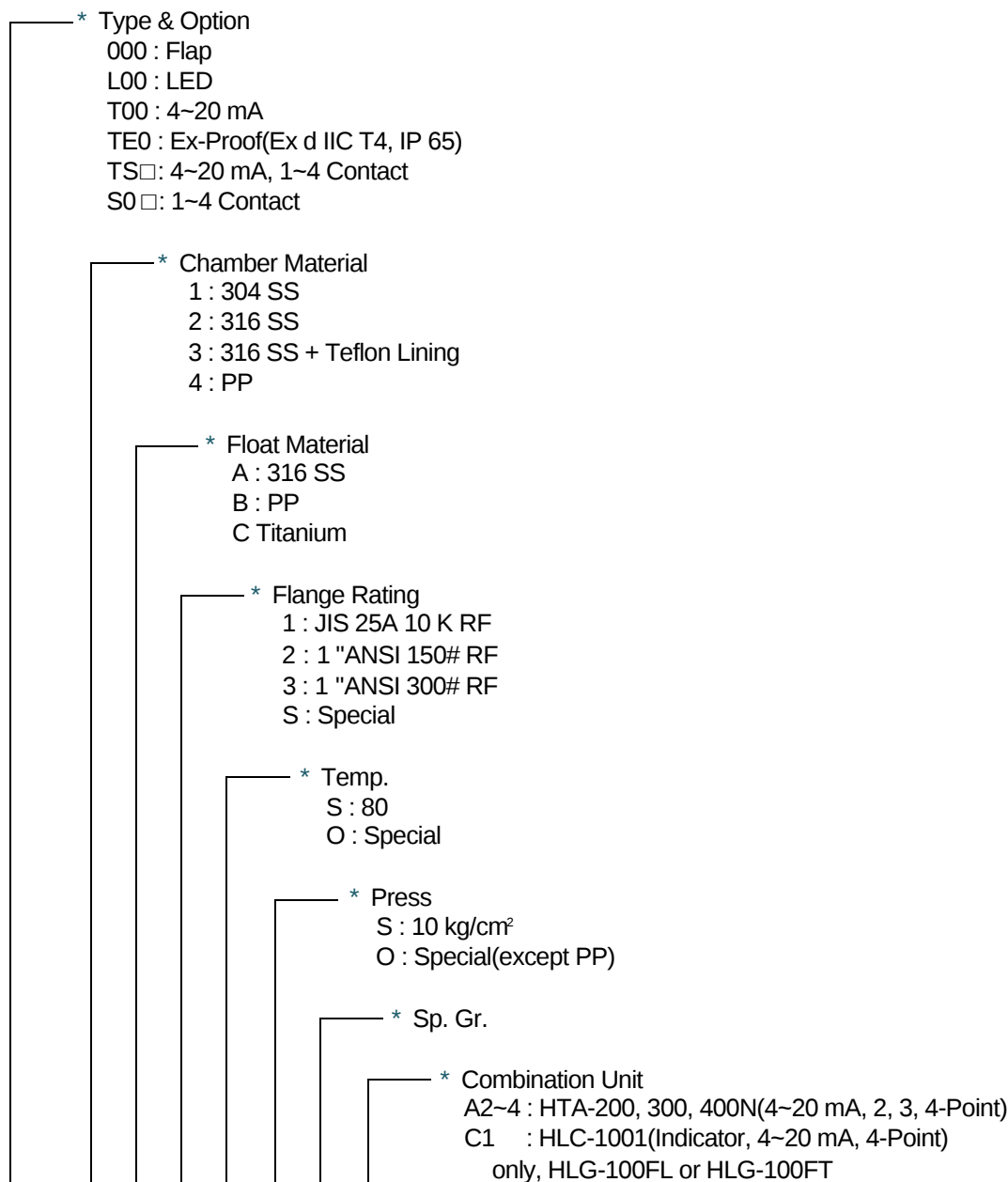
Switch Dimension



Switch	Contact Q ty/Type		1-SPDT
	Type/Rating	Micro Switch/AC 250V,15A	
	Actuate: Inc. -DEC./@Level		
	Diff. Adjust: Adj. or Fix Reset @Level		Adjust



ORDER CODES



Please specify operating temp., press. and Sp. Gr. when issue a purchase order.

HLG - 100F ****



HITROL CO., LTD.

HEAD OFFICE · FACTORY · R & D INSTITUTE

62-182 BONGILCHEON-RI CHORI-MYUN

PAJU CITY KYUNGGI-DO KOREA

TEL : (031) 943-0875~7

FAX : (031) 943-0878, 5600

<http://www.hitrol.co.kr>

hitrol@hitrol.co.kr