

SHICO. MAGNET FLOAT TYPE LEVEL GAUGE

MODEL : SH-200X Series

DESCRIPTION

The indicator is based on a 20mm wide column with several 11mm high, hinged segments each with a small vertically built-in permanent magnet.

The segments are flipped over 180° when passed by a float with a permanent magnet.

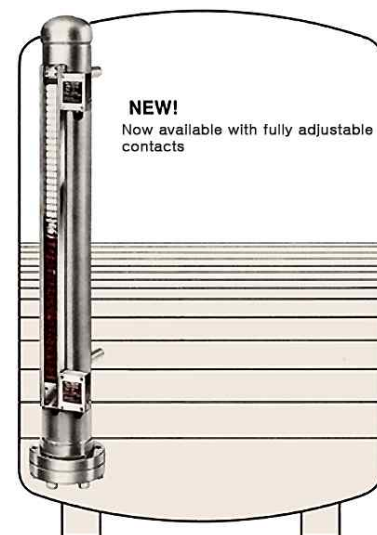
To ensure the correct orientation of the magnetic field, the float moves in a guide way inside the standpipe.

The segments of the indicator are painted white on one side and red on the other.

When the float rises or falls with changing liquid levels, the segments are flipped over through the influence of the magnetic field of the float as described above, thus showing an unbroken white line representing the air phase and an unbroken red line representing the liquid phase as appropriate.

A steady indication is ensured by the magnets built into the segments, as they 'lock' the segments together in 'red or 'white' position.

Indicator type SH-2002 works on similar principle as type SH-2000, with the exception that the two segments at the extreme ends of the indicator column have been replaced by magnetic contacts suitable for triggering an alarm/control device.



APPLICATIONS

- Tank level control.
- Waste water treatment.
- Petro- and petro-Chemical plants.
- Explosive, poisonous, acid or alkali liquids.
- Sludges.

SPECIAL FEATURES

- Safe-Easy to read.
- No glands-No glass.
- Measures under pressure.
- Unaffected by vibration, dust or corrosive atmosphere.
- Suitable for indication, alarm and process control.

SPECIAL OPTION 1

- Direct top mounting
- Alarm switch : High & Low
- Transmitter : 4~20mA output

SPECIAL OPTION 2

- Noctilucent indicating type
- Max. pressure special type : 450 Kg/cm²
- Max. temperature special type : 400 °C

STANDARD SPECIFICATION

- Float and standpipe are manufactured in antimagnetic, stainless steel.
- Standard connection is 3/4" welding sockets.
- Indicator segments and bearings are Host a form C.
- Indicator column is drawn aluminium with a transparent, sealed plexex cover.

Max. pressure standard type	25Kg/cm ²
Max. temperature standard types	120°C
Max. range standard types	2.0 meter
Min. specific gravity of medium	0.6 meter

- Indicators suitable for larger pressures, manufactured in special materials, or with higher ranges are available on order.
- Largest range so far produced is 7.0 meter.

※ When equipped for remote indication, the level indicator is fitted with a stepwise variable resistor. Direct reading facilities are not available on remote indicating instruments.



SAM HOI INDUSTRIAL CO., LTD.

#48-2, 66-BeonGil, Golden root-Ro, Juchon Myeon, Gimhae-city Gyeongnam, Korea

Tel. +82-55-321-0578 Fax. +82-55-321-0573

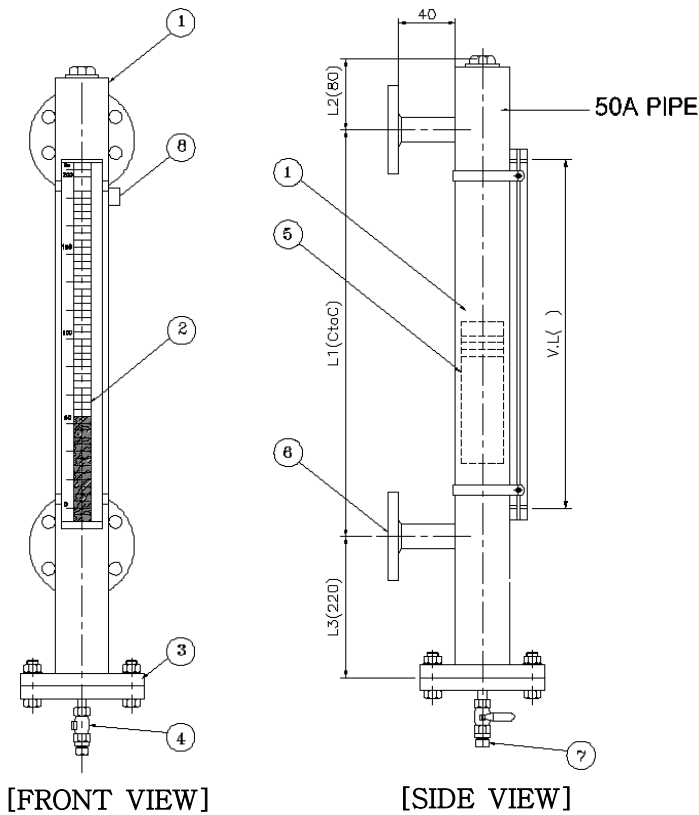
E-mail: shico007@chol.com Homepage : www.shico.co.kr

C-22

SHICO. MAGNET FLOAT TYPE LEVEL GAUGE

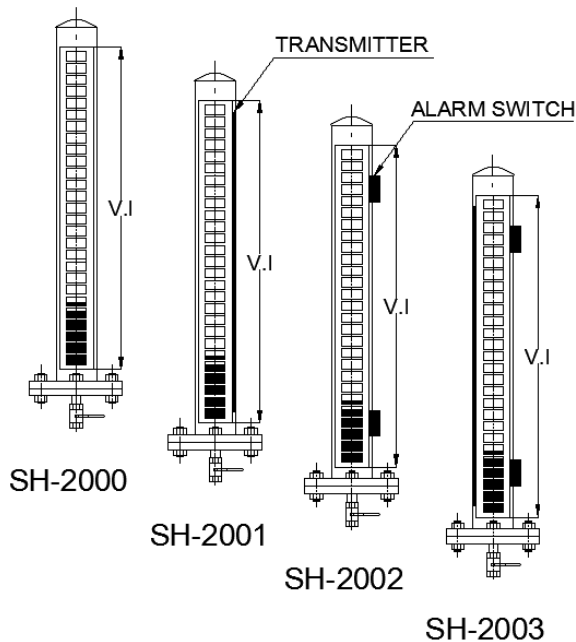
MODEL : SH-200X Series

■ DIMENSIONS



NO	DESCRIPTION	MAT'L	Q'ty	SIZE
1	Chamber	SS304	1	50A
2	Level Indicator	ABS	1	Red/Yellow
3	Flange	SS304	1	JIS 10K 50A FF
4	Drain Valve	SS304	1	1/2"
5	Float	SS304	1	Ø48x300 About
6	Mounting Flange	SS304	2	JIS 10K 15A FF
7	Male Mounting	SS304	1	Ø12
8	Level Switch	AL	1	1-SPDT

■ GENERAL OUTLINE



■ ORDERING INFORMATION

MODEL	CODE	DESCRIPTIONS
SH-200	0	MAGNETIC INDICATOR
	1	WITH TRANSMITTER(4~20mA)
	2	WITH ALARM SWITCH*
	3	WITH TRANSMITTER(4~20mA) & ALARM SWITCH
		CODE MOUNTING METHOD
	1	SIDE-SIDE
	2	TOP MOUNTING

SH-200 □ □

- ※ Note : 1. High or Low alarm
2. High and Low alarm
3. Alarm and Control



SAM HOI INDUSTRIAL CO., LTD.

#48-2, 66-BeonGil, Golden root-Ro, Juchon Myeon, Gimhae-city Gyeongnam, Korea

Tel. +82-55-321-0578 Fax. +82-55-321-0573

E-mail: shico007@chol.com Homepage : www.shico.co.kr

C-23