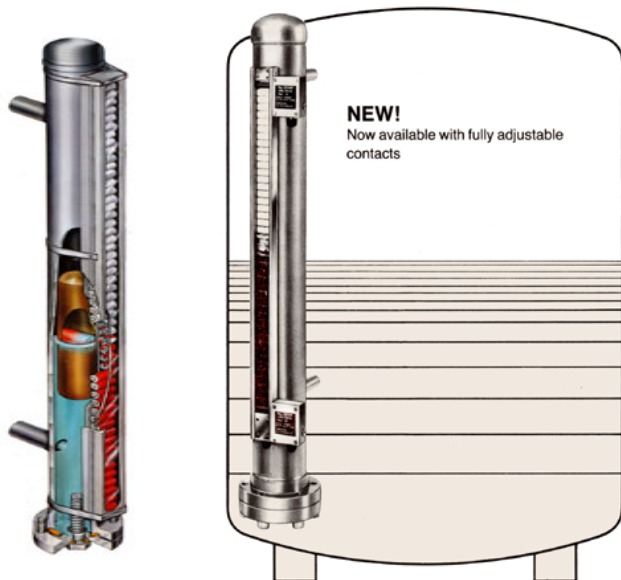


SHICO.

MAGNET FLOAT TYPE LEVEL GAUGE

MODEL : SH-200X Series

FOR USE WITH DIFFICULT OR HAZARDOUS LIQUIDS



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principle as type SH-2000, with the exception that the two segments at the extreme ends of the indicator column have been replaced by magnetic contacts suitable for triggering an alarm/control device.

■ STANDARD SPECIFICATION :

Float and standpipe are manufactured in antimagnetic, stainless steel.

Standard connection is $\frac{3}{4}$ " welding sockets.

Indicator segments and bearings are Hostaform C.

Indicator column is drawn aluminium with a transparent, sealed perplex cover.

Max. pressure standard types 25Kg/cm²

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.

■ 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

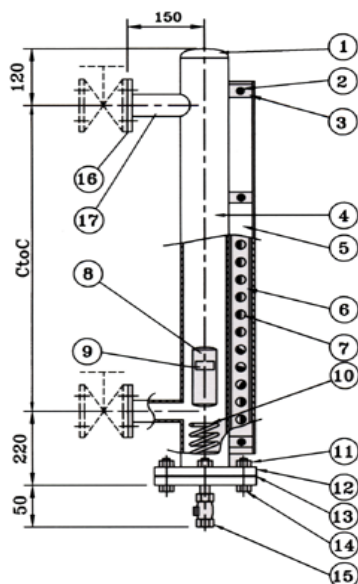
Max. temperature special type ... 400 °C

SHICO.

MAGNET FLOAT TYPE LEVEL GAUGE

MODEL : SH-200X Series

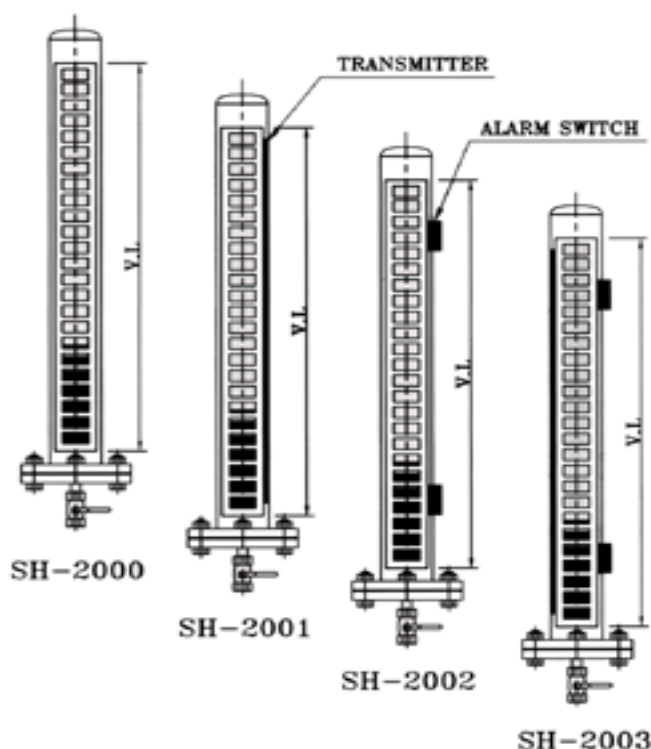
DIMENSIONS



NO	DESCRIPTION	MAT'L	SIZE	Q'TY
1	CAP	SUS 304		1
2	CLIP HOLDER	SUS 304		4
3	CLIP	SUS 304		2
4	CHAMBER	SUS 304	65A	1
5	ROTOR CASING	ALUMINIUM	50X30	1
6	INDICATOR SIGHT	GLASS	2Tx28	1
7	ROTOR	ABS	φ 11x20	
8	FLOAT	SUS 304		1
9	ELEMENT	MAGNET		1
10	BUMPER	SUS 304		1
11	NUT	SUS 304		4
12	FLANGE	SUS 304	JIS 10K 65A	2
13	PACKING	NON ASBESTOS		1
14	BOLT	SUS 304		4
15	DRAIN VALVE	SUS 304	PT 3/8"	1
16	FLANGE	SUS 304	JIS 10K 25A	2
17	PIPE	SUS 304	25A	2

Where the system may be subjected to inductive loads, a suppressor circuit must be incorporated.

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