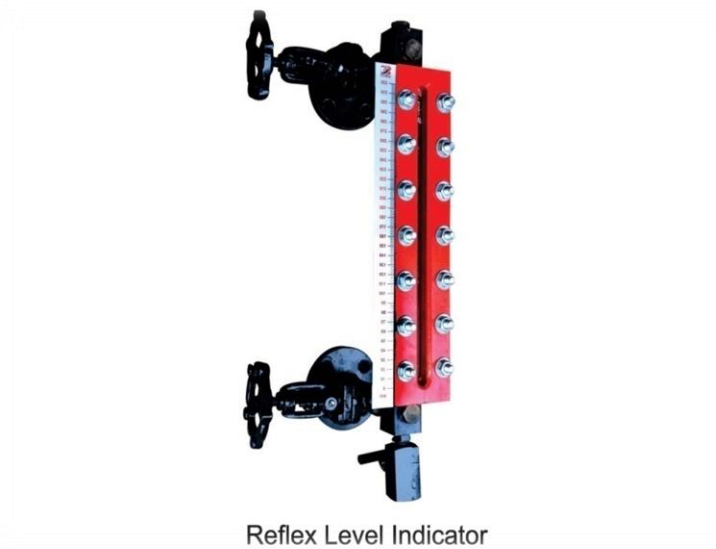




**STEAMGEN & CONTROL SYSTEMS**  
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#### **REFLEX LEVEL INDICATOR: SCS-RLI**

##### **Description**

THE SCS Level gauges are used for measuring the level in the vessel. These can be used for maximum pressure of Upto 50kg/cm<sup>2</sup> and a Maximum temperature of 400°C .constructional features include 2.5 Meter single piece construction with multiple glasses between process Connection. A pair of auto shut off ball check valves in material of Construction carbon steel or stainless steel and polypropylene as optional.

##### **Principal Of Operation**

The principal of reflex level gauges is based on the difference in the refractive Indices of liquid & vapour. The liquid column is contained within the recess Of liquid chamber behind the sight glass which is clamped to the gauge body. The Sight glass has prismatic right angled grooves on the side facing the liquid And vapour space light raise entering from right outside the gauge are either Absorbed or reflected depending upon whether they enter the liquid or vapour Space. When the ray of light encounters the surface of one of the grooves in vapour Space, it is reflected to the opposite space appears as silvery white. When the light Ray encounters the surface of grooves in the liquid space, it is totally absorbed Thereby the liquid behind the glass appear black.

## Specifications

Max Temperature (MT)	208 Deg. Cen., 224 Deg. Cen., 243 Deg. Cen., 400 Deg. Cen..
Max pressure (MP)	10.54 kg/cm <sup>2</sup> , 17.54 kg/cm <sup>2</sup> , 24.6 kg/cm <sup>2</sup> , 35 kg/cm <sup>2</sup> , 50 kg/cm <sup>2</sup> .
Process Connections (PC)	CL-150#, CL-300#, CL-600#, BS-10 Table 'H', BS-10 Table 'J', DIN Standards.
Connection Size (NB)	15NB, 20 NB, 25 NB
C-C distance (CTC)	Up to 100"; single piece liquid chamber.
Chamber (CH)	CS, SS304, SS316, polypropylene
Cover plate (CP)	CS, SS304, SS316, and PP
Flange (FG)	CS, SS304, SS316, PP
Glass	Maxos Toughened Borosilicate Reflex Glass
Connection (CN)	Flanged, screwed or socket weld
Drain/vent valve	Forged Carbon Steel 15 NB BSP Needle valves
Fasteners/U-Bolts	High Tensile Steel
Valves (VL)	Forged Carbon Steel Needle Valve, Globe Valves
Option	Anti frost extension for low temperature service Heating /Cooling arrangement.
Glasses size	1. 340x34x17mm 2. 280x34x17mm 3. 250x34x17mm

**Note:** In multi sections the gap between two sections is Upto10mm.

### Codes for Ordering:

#### 1. Reflex Level Indicator( **SCS-RLI-CTC-PC-NB**)

#### **DENOTIONS:**

- 1. CTC** - CENTRE TO CENTRE DISTANCE OF FLANGE/SOCKETS
- 2. PC** - PROCESS CONNECTION
- 3. CONNECTION SIZE** - NB