



## STEAMGEN & CONTROL SYSTEMS

IBR Steam Boilers/Heat Pumps/Steam Generators/Hot-Water Generators/Hot-Air Generator/  
Thermic-Fluid Heaters.

<https://www.indiamart.com/steamgen-controlsystems/>, [www.steamgenglobal.com](http://www.steamgenglobal.com)

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New

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GST no.07BOAPS9682H1ZD

### Smart Displacement Type Level Transmitter- SCS-SDTLT-01



#### Additional Info

**Description:** Steamgen Series displacement type Level Transmitter is designed to sense Liquid level, Interface and Specific gravity. The output of the Instrument is proportional and is designed to measure and transmit electrical signal proportional to changes in Liquid level or Specific Gravity.

The Steamgen series measures changes in Liquid Level, Specific Gravity or Interface Level and transmits a current output signal proportional to the change in the process parameter. The change in the process parameter causes a change in the displacer position, which is transferred to the Torque Tube producing a rotary motion. This rotary motion is transferred through bellow to lever assembly that is supported by flexure strips. Magnets attached to the lever assembly move past a Hall effect position

#### SPECIFICATION

Displacer Length	Minimum 100mm to 6 meter
Input Signal	Liquid level or liquid to interface level: from 0 to 100% of displacer length min. differential
Specific Gravity	0.3to 1.2(with standard displacer) & 0.2(with special displacer)
Output Signal	Two wire 4-20mAdc.
Output Action	<b>Direct</b> -increasing input increases output: or <b>Reverse</b> -increasing input decreases output
Display	Lcd display meter
Reference Accuracy (specific gravity1.0)	+/-0.1% of full scale(better on request)
Linearity Adjustment	8 point through software
Damping	32 sec.
Calibration Facility	By three method i.e. hand held communicator(HHC), push button & PC
Power Supply	a) 35V dc for explosion proof b) 30V dc for intrinsically safe
Power Supply Effect	Negligible between 13 and 35 V dc
Load Resistance	600 ohm at 24 V dc
Span Adjustability	30 to 100% of displacer length for

	level application using a standard volume displacer.
Zero Adjustability	15% of sensing element range.
Diagnostic of Mechanical & Electronic	Provided
Cage Sensor	Cage can be furnished in a variety of end connection style to facilitate mounting on vessels
Operative Amb. Temp	65° C
Elect. Connection	½" NPT
Elect. Classification	1. Weather proof IP66.

	2. Explosion proof for group IIA & IIB cum weather proof. 3. Intrinsically safe.
<b>SENSOR CAGE SPECIFICATION</b>	
MOC	External: carbon steel, SS304, SS316, SS304L, SS316L. Internal: SS316.
Torque Tube	SS316, SS316L, Inconnel, K Monel Hastelloy.
Process Connection	S.W or flanged
Max. Working Pressure	150 Kg/cm <sup>2</sup>
Rated Process Temp.	(-) 50°C to (+)350°C (cooling fins are provided for process temperature above 150°)

