



# YPL INSTRUMENTS PVT. LTD.

## TRANSPARENT LEVEL GAUGE: YPL-TLG18

### Description

THE YPL Level gauges are used for measuring the level in the vessel. These can be used for maximum pressure of upto 150kg/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

Transparent gauges employ two transparent glasses and a liquid chamber. The liquid level is indicated as a result of difference in the transparent properties of the two media. For water/steam application, an illuminator is mounted on the rear side of gauge with its light rays deflected upwards into the water column. These enable the observer to see the illuminated surface of the water as the light rays impinge on the surface of separation between water and steam is reflected back to the eye of the observer. For high temperature application mica shield is used. Special feature is that liquid column in chamber is illuminated using illuminators  
**Max press:** 150kg/cm<sup>2</sup>      **Max temp:** 400°C.  
**Note:** in these Gauges, glasses are with four side smooth finished flat surface.



### Technical Specification

C-C distance	: Up to 100"; single piece liquid chamber	FIG. 1
Chamber	: CS, SS304, SS316, polypropylene	
Cover plate	: CS, SS304, SS316, and PP	
Flange	: CS, SS304, SS316, PP	
Valve	: CS, SS304, SS316, PP	
Glass	: Toughened Borosilicate	
Connection	: Flanged screwed or socket weld/NPT	
Gauge valve	: Auto shut off ball check, off-set pattern Bolted or screwed bonnet.	
Drain/vent valve	: Ball type	
Fasteners	: ASTMA-193GrB7/A-194 Gr.2H.	
Illuminator	: 230/110VAC, 50/60Hz, 25/40 Watts.	
Glasses size	: a) 340x30x17mm    b) 280x30x17mm c) 250x30x17mm	

**Note:** in multi sections the gap between two sections is upto 10mm.

**REGD. OFF: PLOT NO. 86-B, NEW DLF INDUSTRIAL AREA FARIDABAD-121003 (HARYANA)**

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