

6700 Liquid Level Indicator

Float and tape gaugeboard indicator for level measurement in bulk storage tanks

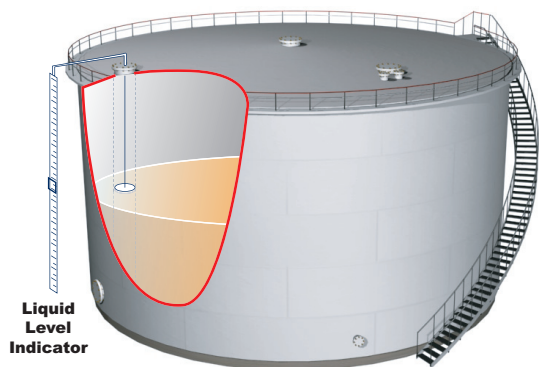
Varec®

Highlights

- Accurate to 1" (25 mm)
- Durable aluminum gaugeboard with vinyl facing
- Level indication in feet/inches or meters/decimeters
- Full travel or half travel designs
- Standard and severe service configurations
- Vertical cone roof and bolted tank models

Application

The 6700 Liquid Level Indicator (LLI) is an economical, easy to install measurement device utilizing a target and gauge board to indicate tank level. The indicator displays liquid level (product innage) to an accuracy of 1" (25 mm). Designed for use on a variety of atmospheric and low-pressure storage vessels, the 6700 may be installed on both in-service and out-of-service tanks.



Example Tank Gauging System

Changes in the liquid level of the tank raise or lower the float, which moves the indicator cable. Cable movement drives the indicator up and down the gaugeboard on the side of the tank. The liquid level in feet and inches or meters and decimeters is shown by the indicator position on the gaugeboard. The user may then convert the liquid level to units of volume. This may be accomplished manually or by using inventory management software, such as FuelsManager®.



Severe Service Option

For corrosive chemical storage, Varec offers a Severe Service option. All wetted parts are fabricated from fiber reinforced plastic (vinyl ester) or PTFE coated stainless steel.

Stainless Steel Option

For corrosive or clean liquids, such as potable water, a Stainless Steel option is offered with all wetted parts, top anchors and elbows fabricated from 316 stainless steel.

Asphalt Service Option

Stainless steel sheaves replace the standard delrin sheaves to allow for the higher temperatures associated with asphalt applications.

Accessories

- Oil Seals
- Drive Elbow Modification Kit
- Manways and Inspection Covers
- Float Grounding Kit
- Teflon Tape Wipe
- Extension Bracket Kit
- Reinforcing Bracket
- Shock Absorber

Material Specifications

Description	Standard	Stainless Steel	Severe Service	Asphalt
Indicator board	0.08" (2 mm) aluminum			
Sheave elbows	Aluminum with Delrin sheaves	316 SS	Cast iron with 316 SS sheaves	Aluminum with 316 SS sheaves
Indicator target	304 SS/HMWPE			
Float	316 SS		Fiber reinforced vinyl ester	316 SS
Float cable			PTFE coated 316 SS	
Guide cable				
Top anchors	Steel	316 SS	Steel	Steel
Bottom anchors			(Customer supplied)	
Cable fastener	316 SS		Fiber reinforced vinyl ester	316 SS
Cable crimp	Nickel plated copper			

An oil seal is recommended if the process temperature can exceed 200 °F (93 °C).

Order Codes

Application Type	
BL	For application on bolted tank type
SS	For corrosive or clean liquids, (stainless steel kit - wetted parts)
ST	For application on standard tank type
SV	For corrosive chemical storage, (severe service kit - wetted parts)
AP	For asphalt applications
Board Type and Length -	
F06	English-Tank to 6 ft
F13	English-Tank to 13 ft
F20	English-Tank to 20 ft
F27	English-Tank to 27 ft
F34	English-Tank to 34 ft
F41	English-Tank to 41 ft
F48	English-Tank to 48 ft
F55	English-Tank to 55 ft
F62	English-Tank to 62 ft
H13	English-Tank to 13 ft - half travel
H27	English-Tank to 27 ft - half travel
H41	English-Tank to 41 ft - half travel
H55	English-Tank to 55 ft - half travel
H69	English-Tank to 69 ft - half travel
H83	English-Tank to 83 ft - half travel
H97	English-Tank to 97 ft - half travel
M02	Metric-Tank to 2 m
M04	Metric-Tank to 4 m
M06	Metric-Tank to 6 m
M08	Metric-Tank to 8 m
M10	Metric-Tank to 10 m
M12	Metric-Tank to 12 m
M14	Metric-Tank to 14 m
M16	Metric-Tank to 16 m
M19	Metric-Tank to 19 m
M21	Metric-Tank to 21 m
M23	Metric-Tank to 23 m
Y	Special version
N6700-	Complete Designation