

An aerial photograph of a large industrial facility, likely a refinery or chemical plant, featuring numerous storage tanks, complex piping networks, and processing units. A semi-transparent green rectangular overlay is positioned in the center of the image, serving as a background for the company logo.

Questtec

SOLUTIONS

ARMOR-TRAC
Liquid Level Sight Indicator

Stress-Free
PTFE Insert
Seals

Visible Glass
Sight Tube(s)

Armor
Shield

Questtec
SOLUTIONS

ARMOR-TRAC

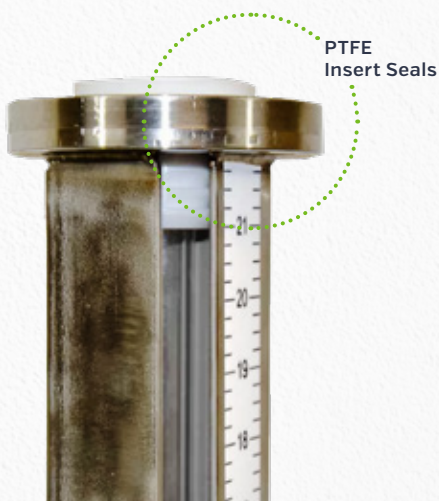
Liquid Level Sight Indicator

Questtec's Armor-Trac series are an efficient and reliable way to determine the level of liquid in a tank or vessel.

The simple design provides a direct view without compromising the integrity of your process system and operate such that the liquid level in the transparent sight tube is always the same as the level inside the tank or vessel. The Armor-Trac is design to be used at pressures up to 150 PSIG and temperatures up to 150 F (consult factory for slightly higher conditions or consider Questtec's Glass-Trac, Steam-Trac or Magne-Trac Series).

BEAUTY IN SIMPLICITY

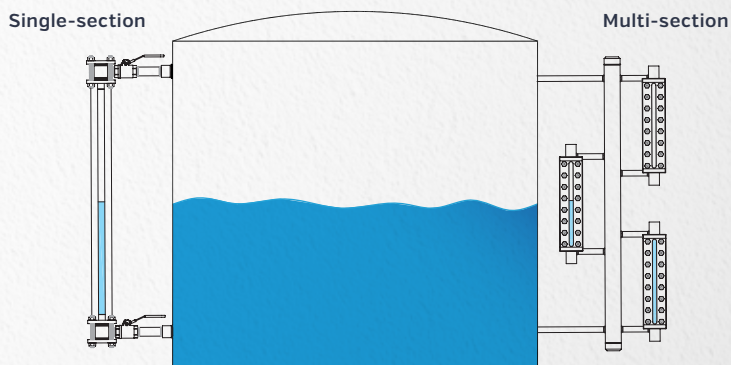
The basic design consists of the armor shield, sight tube(s) and two self-sealing PTFE (Teflon) Inserts with side-mounted or in-line configurations to connect to your tank or vessel needs. Due to the simplistic nature the Armor-Trac relatively maintenance free.



STRESS-FREE PTFE INSERT SEALS

The **Questtec Armor -Trac** incorporates a uniquely designed PTFE (Teflon) Insert that seals on the outside diameter of the glass sight tube, not the ends.

This PTFE Insert to sight tube connection allows for movement without leaking and virtually eliminate stresses caused by differential expansion. There are no additional elastomer seals or O-rings to inspect and replace. The PTFE material was specifically selected for its chemical resistance to highly corrosive liquids. PTFE-lined sight tube option is also available for aggressive liquids that can attack the borosilicate sight tube.



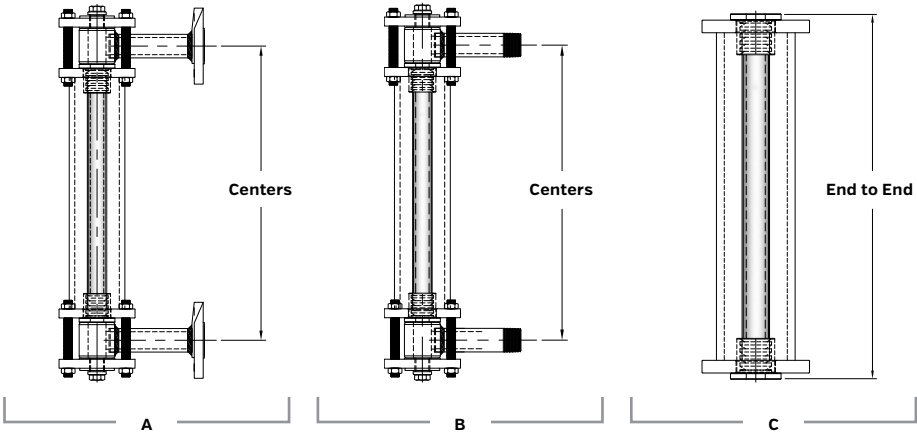
SINGLE STRAIGHT COLUMN

Single-section models are easy to install because they are shipped fully assembled. Multi-section gauges are available in lengths up to 20 ft (6.09 M) in a single straight column design so there are no staggered or overlapping assemblies or complex piping arrangements, commonly found with conventional sight glass gauges. The straight column design helps provide a more continuous visible range with an added scale option as needed.

SPECIFICATION SHEET

ARMOR-TRAC
Liquid Level Sight Indicator

The Questtec Armor-Trac is a simple and reliable way to determine the liquid level in a tank or vessel. The Intended design gives a direct sight view without compromising the integrity of you process system. Questtec Armor-Trac operates such that the liquid level in the transparent sight tube is always the same as the liquid level inside the tank or vessel. Design for 150 PSIG and 150F is an ideal solution for light industrial applications.



AT

ARMOR-TRAC

STYLE

A = Flange* Side Connections
B = NPT Side Connections
C = No Side Connections, Top/Bottom

CONFIGURATION

ST = Single Tube Design
DT = Double Tube Design

FLANGE/ARMOR MATERIAL

3C = Carbon Steel
4S = 304SS
6S = 316SS
FG = Fiber Glass
CS = Customer Specified
*See [ST] Or [DT] Selection Tables for Details

Size	= Flange	= Sight Tube [Borosilicate]
06	3/4"	3/4" OD
08	1"	1" OD
12	1-1/2"	1-1/2" OD
16	2"	2" OD
24	3"	2-1/2" OD

Size	= Flange	= Outer Tube [Polycarbonate]	= Inner Tube Sight Tube [Borosilicate]
08	1"	1.5" OD	3/4" OD
12	1-1/2"	2" OD	1" OD
16	2"	2" OD	1" OD
24	3"	2.5" OD	1-1/2" OD

GAUGE CONNECTION
[*equal vessel connection when C-Style]

BODY [TEE]

BODY MATERIAL

3C = Carbon Steel
4S = 304SS
6S = 316SS
CP = CPVC
XX = N/A for C-Style
CS = Customer Specified
*Body size is generally same as gauge connection size

90° CONNECTION*

06 = 3/4"
08 = 1"
XX = N/A for C-Style
CS = Customer Specified

VESSEL CONNECTION* SIZE

06 = 3/4"
08 = 1"
12 = 1-1/2"
16 = 2"
24 = 3"
XX = N/A for C-Style
CS = Customer Specified
*Material shall be same as Body Material

OPERATING PRESSURE

Specify in PSI [maximum 150 PSIG]

OPERATING TEMPERATURE

Specify in deg F [maximum 150 F]

CENTERS

[OR END-TO-END FOR C-STYLE]*
Specify in inches [XXX.XX]
*Visible is generally 6 - 8 inches less than centers.

VENT/DRAIN OPTIONS*

AA = 1/2" NPT Vent and Drain
AX = 1/2" NPT Vent / No Drain
XA = No Vent / 1/2" NPT Drain
BB = 3/4" NPT Vent and Drain
BX = 3/4" NPT Vent / No Drain
XB = No Vent / 3/4" NPT Drain
CC = 1" NPT Vent and Drain
CX = 1" NPT Vent / No Drain
XC = No Vent / 1" NPT Drain
XX = N/A for C-style
* MNPT hex plug included

CUSTOM ADDEERS

XX - SPECIFY

[Examples]
X1 = Custom Gallons Scale
X2 = Redline Glass

OPTION ADDERS

LG = PFA Lined Glass, for 1.0" OD only
SC = Scale, Inches Only
MS = Metric, cm/M Scale
PS = Percentage, 10% increments
IG = Gauge-side Isolation Valve [before vessel connection]*
IS = Vessel-side Isolation Valves [after vessel connection]*
VD = Vent/Drain NPT Ball Valves*
* Details Required