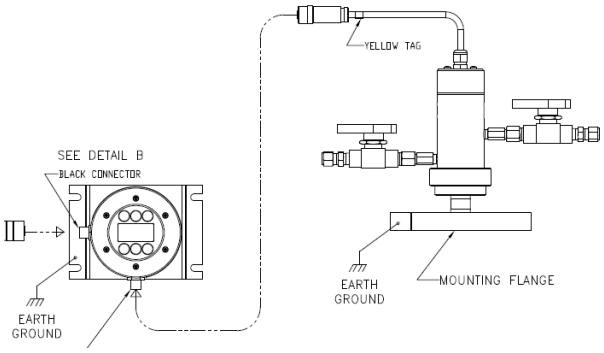
Oxygen tank gauging system
Instatrans-CV / Instatrans-TV

The Teledyne Insta-trans-CV and Instatrans-TV Oxygen analyser solution for monitoring of Oxygen level direct on tank applications. Field proven Teledyne Instatrans ATEX analyzer applied for tank gauging based upon direct mounting of sensor on tank without need of additional sampling system.

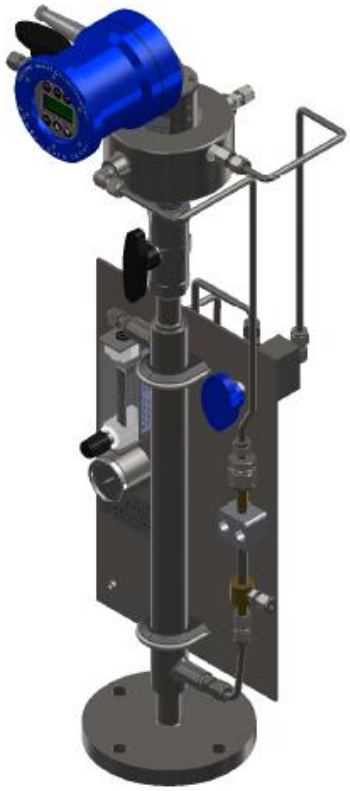
Cavitron tank monitoring system INSTATRANS-CV

For non-condensing applications tank monitoring applications Cavitron (Instatrans-CV) solution can be used with split configuration.

- Instatrans electro-chemical Oxygen monitor split configuration complete with ATEX analyzing unit and transmitter in safe area,
- Flanged process connection
- Sample flow cell complete with calibration inlet / outlet valve



Process connection:	2” 150lbs FF SS-316
Calibration gas connection:	1/4” OD
Sample Vent connection:	1/4” OD
Sample pressure:	0.25 – 6 PSIG (17 – 410 mBarG)
Sample outlet:	To Atmosphere
Sample temperature :	0 - 40°C
Sample flow rate:	2 SCFM @ 3 PSIG (60 nL/h @ 200 mBarG)
Calibration gas supply:	Known concentration 70-90% O2 in N2 on the range of interest
Output:	4-20 mA loop powered
Certification:	ATEX EExia



Oxygen Tank system Instatrans-TV

Monitoring of Oxygen level at tank installations for condensing vapour application, direct mounted on tank complete with required sample handling system.

- Flanged pedestal connection
- Oxygen analyser transmitter 90° display in vertical position
- Nitrogen driven aspirator to withdraw sample through the analyser
- Integrated sample cooling / heating assembly to remove condensate and maintain sample above dew point
- Process block and bleed valves
- Calibration 3-way valve connection

Process connection:	2” 150lbs FF SS-316
Calibration gas connections:	1/4” OD
Utility (N2) supply:	2x 1/4“ OD
Materials wetted parts:	SS-316
Sample pressure:	Atmospheric
Sample temperature :	Max. +50°C
Sample flow rate:	0 – 60 nl/h
Utilities:	Nitrogen supply typically 5-6 SCFH @ 60 PSIG (140-170 L/h @ 4 BarG, application dependent)
Calibration gas supply:	Known concentration 70-90% O2 in N2 on the range of interest
Dimensions:	H 790 x W 220 mm

NOTE: Specifications and features will vary with application. The above are established and validated during design, but are not to be construed as test criteria for every product. All specifications and features are subject to change without notice.