

U · P · I CO., LTD.



YOKOHAMA
JAPAN

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Air-Purge Type Tank Level and Draft Sensor Sensor Type : BT Bubbling Pressure Transmitter

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<http://www.u-p-i.co.jp>



AIR-PURGE TYPE LEVEL AND DRAFT REMOTE MEASURING SYSTEM

Overview

Workstation,
AMS and etc.



Loading PC



Inclinometer
Trim & List



Control Console



Digital indicator



— Electric Line
— Pneumatic Line

Air-Supply
Max. 1.0 MPa



Electro - Pneumatic Sensor
TYPE : BT
Ballast, Fo/Do tank, Service tanks,
Draft and etc.



Pressure Sensor
TYPE : RT
Fresh W tank (Side Mounting)



Sensor Type : BT- Bubbling pressure transmitter

Type BT bubbling pressure transmitters are specially designed for use in demanding sea/fresh water tanks, draft and variety of oil level gauging application. The integral 2-wire, 4-20mA electronics provide power supply regulation, reverse polarity, over voltage and EMC protection.

Your benefits

- Capacitive ceramic sensor covered with FKM / Ceramic diaphragm
- Show good corrosion-resistance against sea Water
- High overload limit
- High temperature stability
- Long-term stability
- Extended performance with the ballast remote control system
- Approved by major classification societies





Technical data

- Gauge pressure range : 0.5 / 1.0 / 2.0 / 3.5 kgf/cm² (up to 35.0m),
Option : Deeper ranges are available
- Pressure containment : 6 / 10 / 15 / 25 kgf/cm² (for respective pressure range)
- Protection class : IP66 (Body material Naval brass) ■ Explosion-proof : Ex ia IIC T6
- Power supply : DC24V±10% ■ Operating temperature ranges : -25° to 80°C
- Output signal : 4-20mA, 2-wires
- Accuracy : ±0.25% FS at 20°C
- Temperature effects : 0.015% / °C (-25° to 80°C not freeze)
- EMC Protection
- Electrostatic discharge protection :
Contact discharge 6kV spike test to IEC61000-4-2 without damage applied between excitation lines and case.

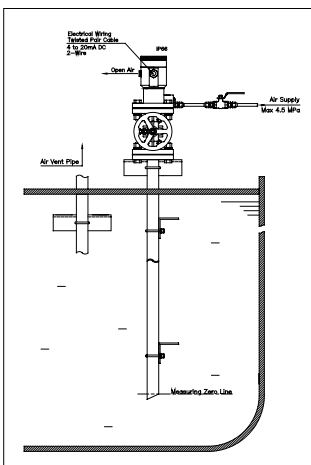
Approvals

- NK certificate of approval for liquid level gauge / high level alarm : Certificate No. TA10425M
- BV Mode II Scheme factory / quality approval :
Certificate No. SMS.W.II. / 81515 / A.0
Certificate No. SMS.W.II. / 81360 / A.0
- ABS certification of liquid level sensor :
Certificate No. YO1939117
- CCS, LR : Inspected by the surveyer to the society and are found to comply with the requirements before shipping.

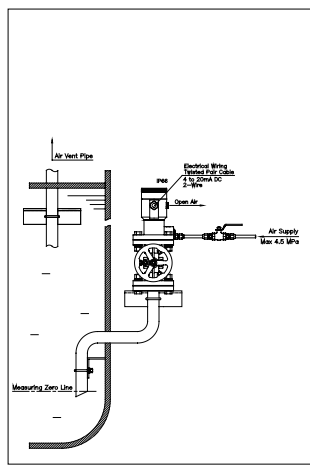


Installation

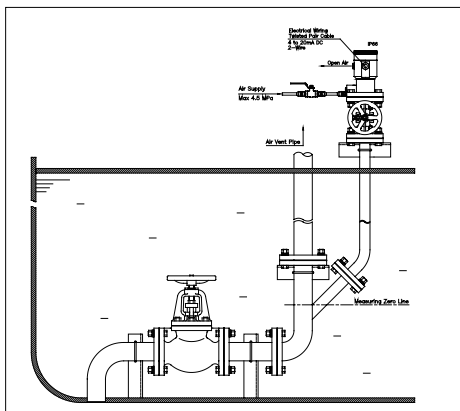
Tank Level Gauge



Tank Level Gauge



Draft Level Gauge



Draft Level Gauge

