Industrial ORP Sensor

MS ORP 36 (Origin USA)



FEATURE

- Annular PTFE Junction → Fast Response
- Due to increased porosity, Increased Sensor Life
- Suitable for Viscous, Slurry Application
- Easy cleaning
- Filled with Gel → Helps to maintain
- Zero potential for longer time
- Industrial Grade Rugged Construction
- Ryton Body (Acid Alkali Resistant)
- Easy Installation

DESCRIPTION

MicroSet make ORP Sensor model MS ORP 36 is designed for various Industrial Applications. Annular PTFE junction reference aids in the sensor's resistance to harsh environments and helps prolong sensor life. The robust sensor design makes the MS ORP 36 F reliable in a wide range of aqueous solutions found in pipelines, open tanks or ponds.

TECHNICAL SPECIFICATION

Range	: ± 2000 mV
Accuracy	: ± 20 mV
Body	: Ryton / PVDF
Type	: Combination
Response Time	: 95% in 1 second
Pressure	: 100 PSIG
Temperature	: 0 ~ 105°C
Measurement Tip	: Glass with Platinum Electrode
Junction	: Annular PTFE
Process Connection	: ¾” NPT Male on both Front End and Rear End
Mounting	: Pipeline (Inline) or Immersion (Tank) or Flow Through Chamber
Cable	: Integral Cable 5 Meters Length with BNC

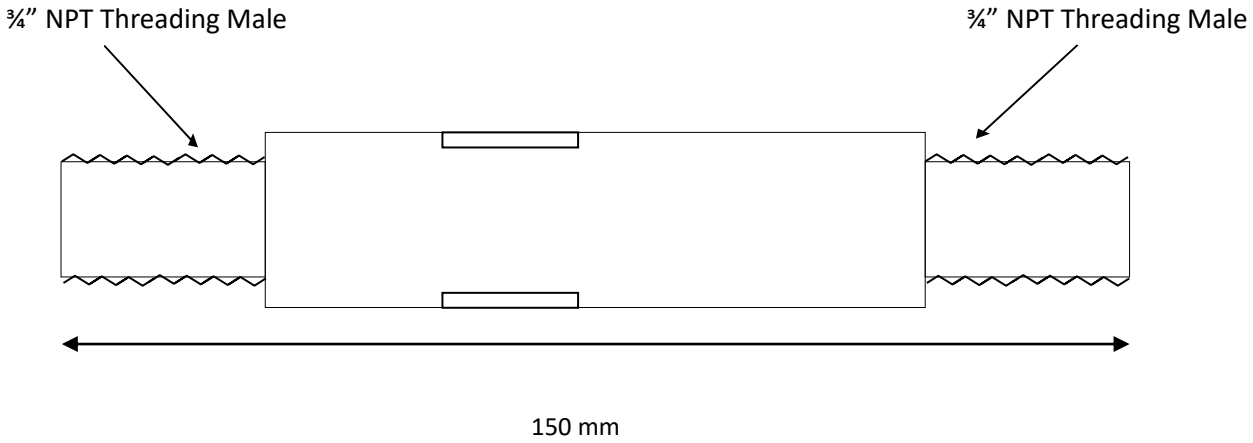
Note: Integral Cable Cannot Be Extended from 5 Mtrs. to 10 Mtrs. or so.

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APPLICATION

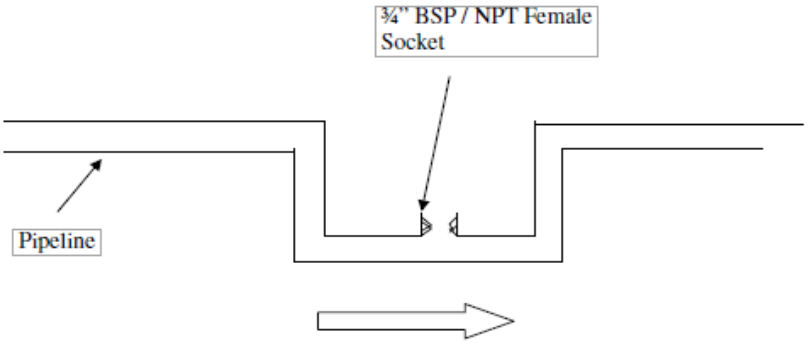
Water Treatment Plant (WTP)
Effluent Treatment Plant (ETP)
RO Water Plant
Hydroponics
Textile Industry
Beverages / Food Industry
Wastewater Treatment Plant (WWTP)
Sewage Treatment Plant (STP)
Power Plant
Chemical Industry
Paper & Pulp
Pharma Industry

DIMENSIONAL DIAGRAM



INSTALLATION DIAGRAM

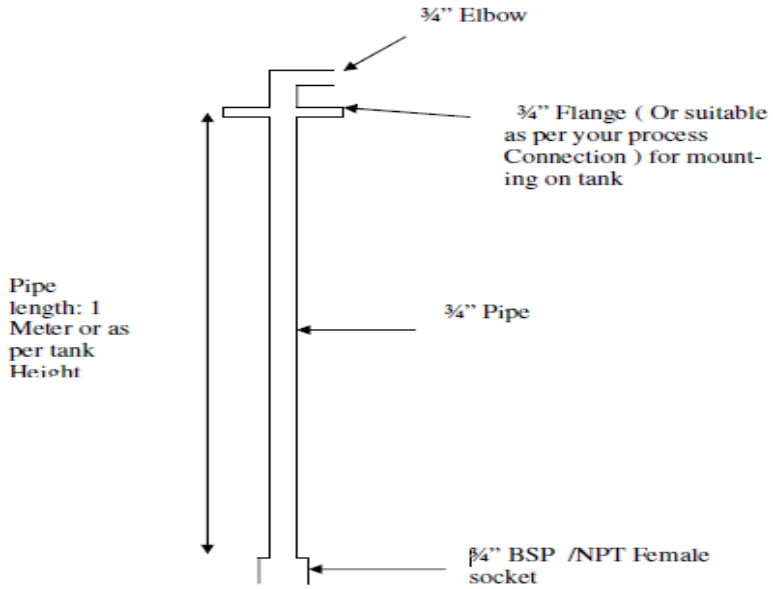
1. PIPELINE (IN-LINE) INSTALLATION



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2. IMMERSION (TANK) INSTALLATION

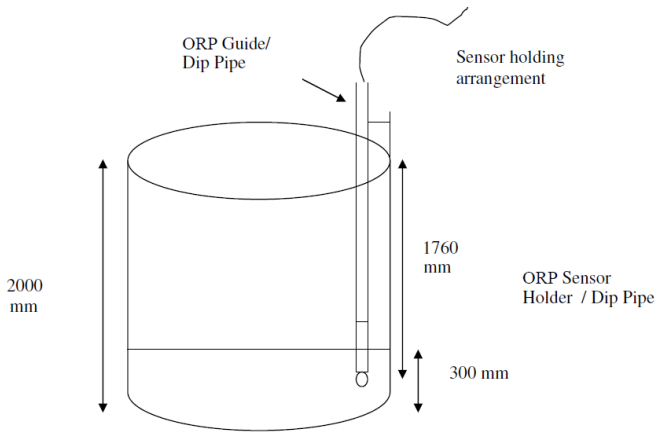
A. GA Diagram for Guide Pipe / Dip Pipe for Tank :



MOC of Pipe / Socket / Flange: SS304 / SS 316 / PP / PVC as per Application

Note: Fabricate the dip pipe in a way that ORP sensor should always dip in solution

B. GA Diagram for ORP Sensor Installation in Tank



Example:

- Tank Height : 2000 mm
- Minimum Water Level : 300 mm
- ORP Sensor with Dip Pipe Length: 1760 mm (from top). Sensor should be installed in a way that the sensor should not be get dry at any cost.

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