Industrial pH Sensor

MS pH 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 pH Sensor model MS pH 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 pH 36 reliable in a wide range of aqueous solutions found in pipelines, open tanks or ponds.

TECHNICAL SPECIFICATION

Range	: 0 to 14 pH
Body	: Ryton
Type	: Combination
Reference Junction	: TEFLON
Membrane Shape	: Rugged Electrode Tip with Semi dome Shape
Electrolyte	: Combination of HGEL +CEP + Polymer Gel
Sensor Output	: mV (± 59.4 mV/ORP change at 25°C)
Response Time	: 95% in 1 second
Pressure	: 100 PSIG
Temperature	: 0 ~ 105°C
Temperature Compensation	: Pt 100 Built-in
Measurement Tip	: Glass
Junction	: Double Junction
Process Connection	: ¾” NPT Male on both Front End and Rear End
Mounting	: Pipeline (Inline) or Immersion (Tank) or Flow Through Chamber

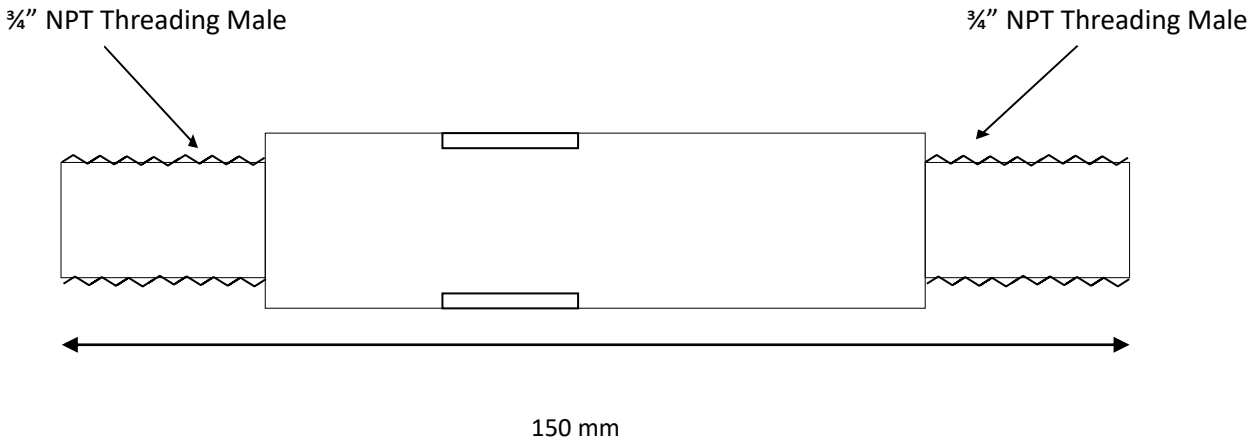
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Cable : Integral Cable 5 Meters with BNC

APPLICATION

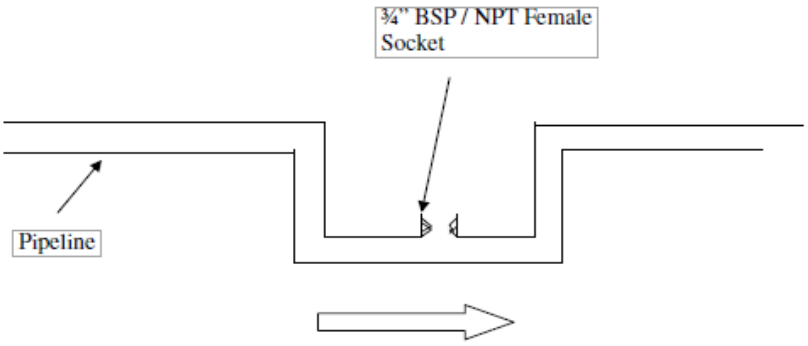
Water Treatment Plant (WTP)
Effluent Treatment Plant (ETP)
RO Water Plant
Hydroponics
Textile Industry
Beverages / Food Industry
Wastewater Treatment Plant (WWTP)
Sewage Treatment Plant (STP)
Power Plant
Chemical Industry
Paper & Pulp
Pharma Industry

DIMENSIONAL DIAGRAM



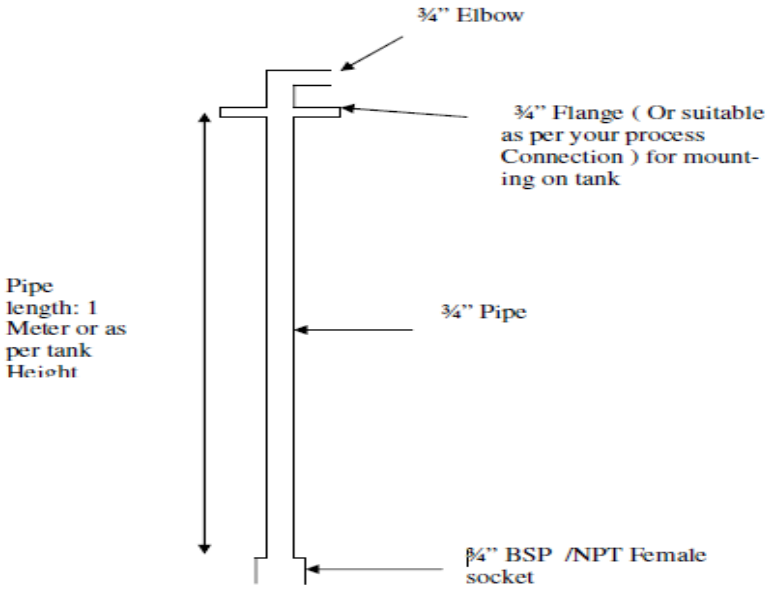
INSTALLATION DIAGRAM

1. PIPELINE (IN-LINE) INSTALLATION



2. IMMERSION (TANK) INSTALLATION

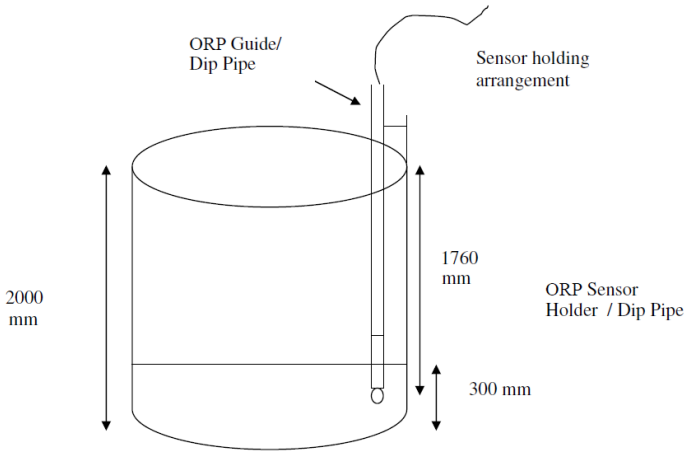
A. GA Diagram for Guide Pipe / Dip Pipe for Tank :



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 pH 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.

Note: Due to continuous improvement in product specifications & looks may vary