Industrial High Temperature pH Sensor

MS pH 21 (Origin England)



FEATURE

- Double junction
- Filled with HGel+ gel suitable for demanding application
- Industrial Grade Rugged Construction
- Upto 140°C Operating Temperature
- Upto 6 Bar @ 25°C
- Suitable for Highly Acidic & Alkaline application
- PTFE (Teflon) body for Harsh Application
- Optionally Built in Temperature Compensation
- Easy Installation

DESCRIPTION

MicroSet make pH Sensor model MS pH 21 is designed for various Industrial Applications. Double junction & HGel+ reference aids in the sensor's resistance to harsh environments helps prolong sensor life. The robust sensor design makes the MS pH 21 reliable in a wide range of aqueous solutions found in pipelines, open tanks, scrubbers or ponds.

TECHNICAL SPECIFICATION

Range	: 0 to14 pH
Body MOC	: PTFE
Type	: Combination
Sensor Output	: mV (± 59.4 mV/pH change at 25°C)
Pressure	: 6 Bar @ 25°C
Temperature	: 0 ~ 140°C
Temperature Compensation	: Pt 100 (Optional)
Shape of Membrane	: Spherical, green glass
Junction	: double junction, Ceramic

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Reference Electrolyte	: HGel+
Reference System	: Ag/ Ag Wire (Double Junction)
Process Connection	: ¾” BSPM on Front End and Rear End
Mounting	: Pipeline (Inline) or Immersion (Tank) or Flow Through Chamber
Cable	: Standard Integral Cable 5 Meter with BNC (Optional Leads)

Cable Length: 10, 15 Meters also available at extra cost

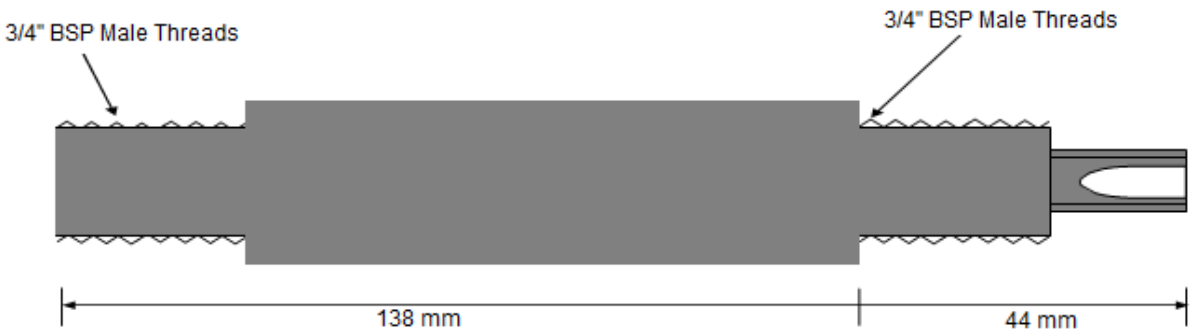
Please specify Cable Length required while ordering

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

APPLICATION

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

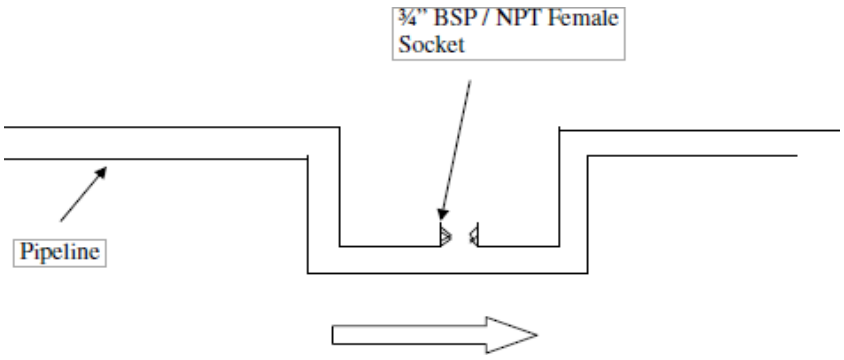
DIMENSION



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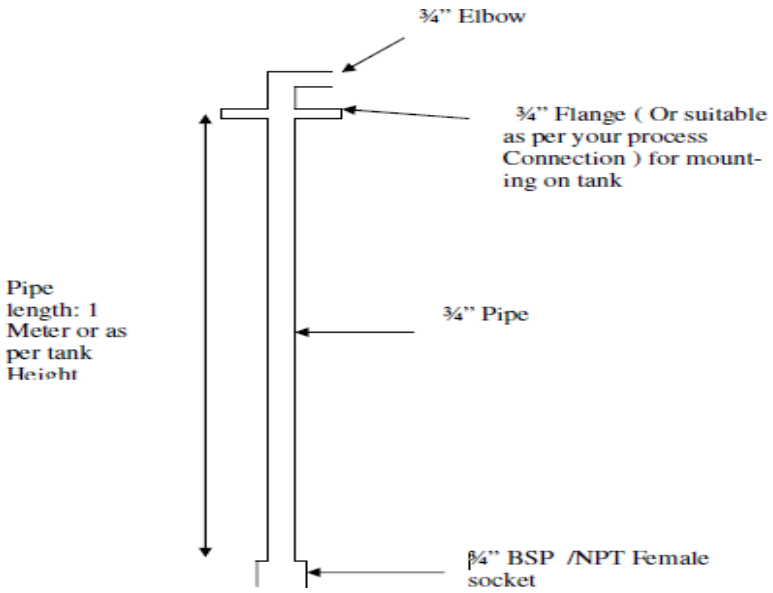
INSTALLATION

1. PIPELINE (IN-LINE) INSTALLATION



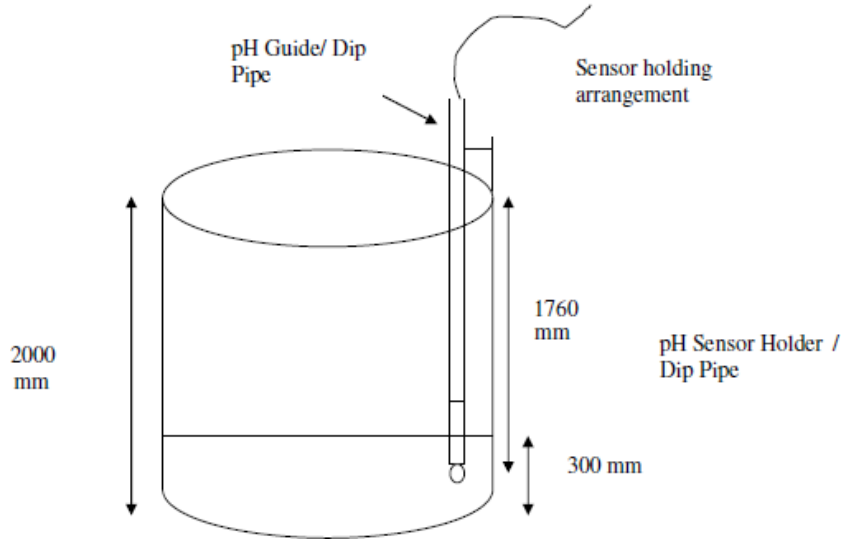
2. IMMERSION (TANK) INSTALLATION

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 pH 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
- pH Sensor with Dip Pipe Length : 1760 mm (from top). Sensor should be installed in a way that the sensor should not dry at any cost.

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