

High Purity Water pH Measurements

Model : PW 971999

Specifications

Wetted Materials:

pH Sensor: Epoxy Body,
Reference: Double Junction
Flow Cell: transparency Acryl Chamber
Inlet/Outlet Ports: PT1/8

Reference System:

KNO₃

Response Time:

95% of signal in 10 seconds

Drift:

Less than 0.02 pH /week @ 0.5 μ S/cm
@ 25°C

Process Conductivity:

less than 100 μ S/cm

Temperature Specifications:

Range: 2 – 75 °C (36 – 167 °F)
Optimum: 25 °C (77 °F)

Temperature Compensation:

PT100 RTD or PT1000 RTD

Flow Specifications:

Range: 50 – 250 ml/min
Optimum: 150 ml/min

Pressure:

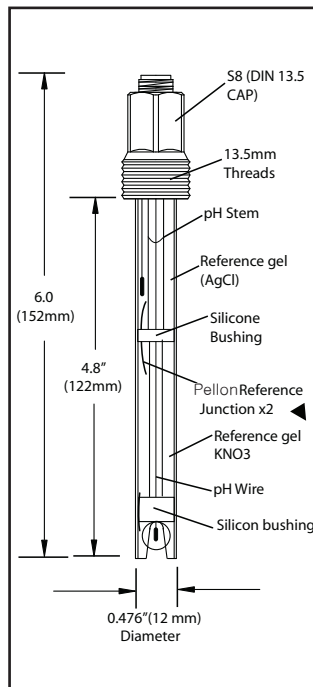
Range: Constant, not to exceed
50 psig (344 KPag)
Optimum: Constant in range

Cable Connection:

PG13.5 S8 Connector

The **Low Flow Stainless Steel Flow Cell** is electrically isolated from the process equipment via the PVC mounting plate. The design of the flow cell reduces particulate and air accumulation. This mounting configuration insures against electrostatic noise and dissipation of sample stream potential.

The **Inlet Port** located at the bottom of the flow cell should be connected to a properly designed sample stream conditioning system that provides controlled pressure, flow and temperature. All three parameters should be constant and within ASTM^j and EPRI^k Guidelines.



TOP S8 Quick Disconnect Connector: enables user to change sensor as required without re-wiring the sensor cable to the transmitter or analyzer

The **Purity water HPW-pH Sensor** offers the user low maintenance and easy replacement; simply unthread the used sensor and screw in the new sensor.

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