

High Purity Water pH Sensor with pHaser™ Flowing Junction

MODEL 3200HP

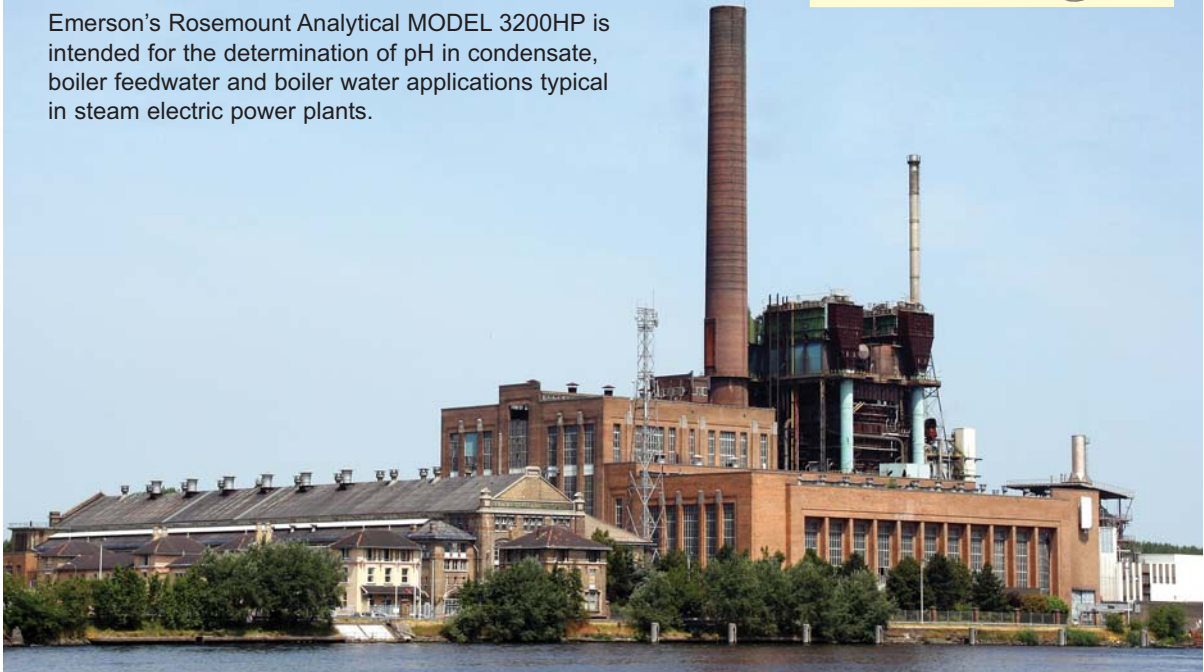


- *pHaser*™ laser drilled capillary junction ensures constant electrolyte flow for accurate and stable performance

- Includes replaceable reference Junction for years of reliable service
- Electronically shielded glass electrode protects against electrostatic noise pickup
- Unique sensor design minimizes junction potential, offsets and drift
- Rugged pH sensor with Variopol connector
- Convenient buffer calibration cup holder for easier sensor calibration



Emerson's Rosemount Analytical MODEL 3200HP is intended for the determination of pH in condensate, boiler feedwater and boiler water applications typical in steam electric power plants.



ROSEMOUNT
Analytical


EMERSON
Process Management

FEATURES and APPLICATIONS for MODEL 3200HP

The Rosemount Analytical Model 3200HP pH Sensor is uniquely designed for pH measurement in condensate, boiler feedwater and boiler water applications. The sensor assembly consists of a low flow cell, glass electrode, reference electrolyte reservoir and a disposable pH sensor. All components are mounted on an ABS plate to be attached to a wall, bulkhead or panel.

Accurate pH measurement in condensate and boiler water depends on a stable reference junction potential, and this requirement is met by the unique design of the flowing reference in the 3200HP. The construction of the junction serves to minimize changes in junction potential caused by variations in flow rate of sample water over the junction surface.

SENSOR SPECIFICATIONS

Accuracy: ± 0.05 pH

Noise: < 0.02 pH; **Drift:** < 0.05 pH per week

Conductivity Range: > 0.4 $\mu\text{S}/\text{cm}$

Sample Flow Rate: 1- 3 gph, (60 to 180 ml/min)

Wetted Materials: Silicone, polycarbonate/polyester, glass, stainless steel, PVDF, Viton¹

Sample Temperature: 0°C to 70°C (32°F to 160°F)

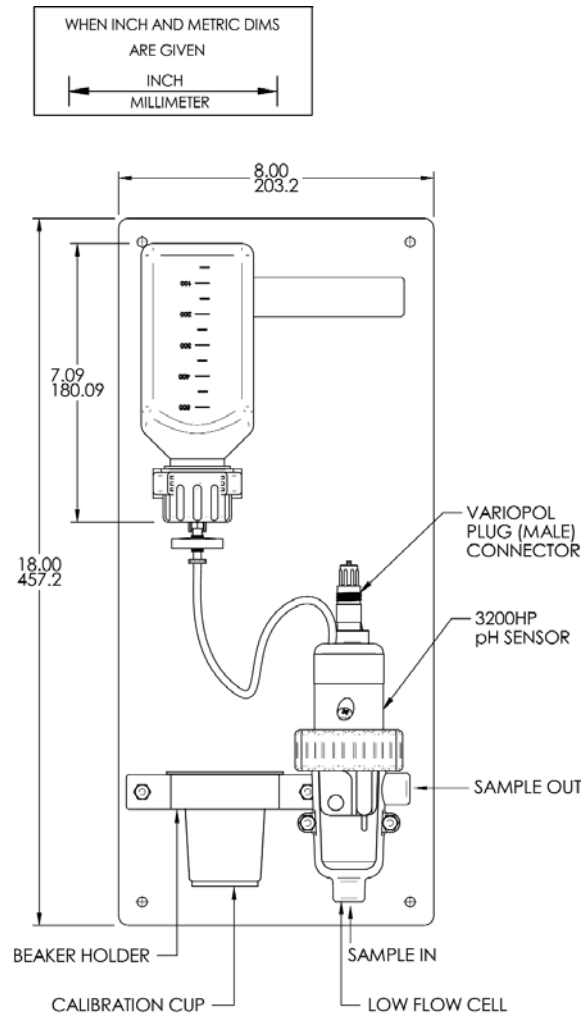
Sample Pressure: 5 to 10 psig – drain to atmosphere

Process Connections: 1/4 in. FPT

Reference Electrode: Flowing, open capillary

Weight/Shipping Weight: 5.4 lb/7.6lb (2.5kg/3.5kg)

¹ Viton is a registered trademark of DuPont Performance Elastomers.



DIMENSIONAL DRAWING