

PUR-SENSE™ Models 3800 and 3800VP

- **Drift Free Reference-** Designed with silver-silver chloride reference electrode with gelled electrolyte and proprietary liquid junction
- **Sterilizations up to 140°C-** Improved GPHT glass technology increases high temperature stability
- **Fast, Accurate and Improved Stability-** Reliable measurements after sterilization cycles
- **50 Steam Cycles-** Ensures fast & accurate long life in actual process conditions
- **Individual Quality Certification-** With list of materials for each sensor



MODEL 3800

available in 3 insertions lengths.

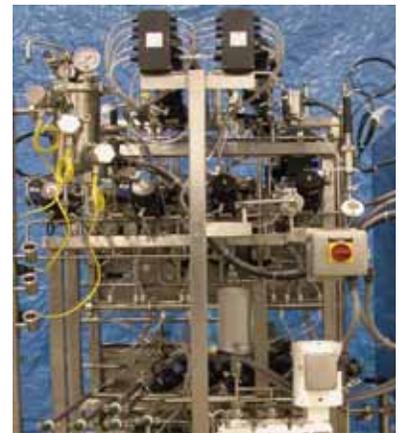


MODEL 3800VP

available in 3 insertions lengths

PERPH-X is a trademark of Rosemount Analytical.
PUR-SENSE is a trademark of Rosemount Analytical.
AccuGlass is a trademark of Rosemount Analytical.

Building on PERpH-X™ and AccuGlass™ technology, the 3800 sensors exhibit unparalleled stability after exposure to high temperature sterilization. These new Rosemount Analytical products by Emerson Process Management are designed for use in the following Industries: Biotechnology, Pharmaceutical, Food and Beverage, and Chemical Industry. Especially useful in processes with cleaning procedures such as steam sterilization and autoclaving.



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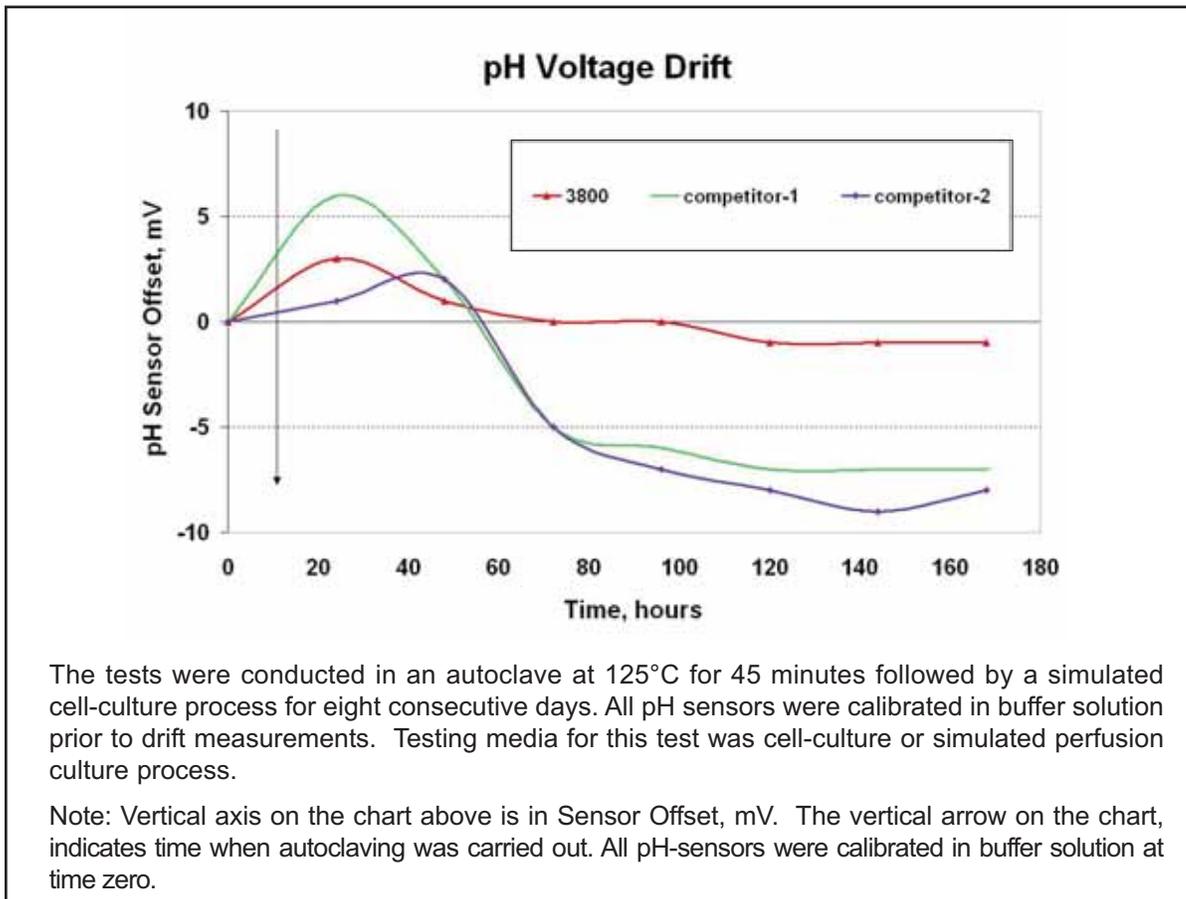
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FEATURES and APPLICATIONS for MODELS 3800, 3800VP

The **PUR-SENSE**™ reference electrode uses a silver-silver chloride sensor in combination with a new gelled potassium chloride electrolyte to provide a stable reference potential through the single proprietary ceramic reference junction.

3800 test data indicates the sensor drift is well within 0.1pH (0.02-0.07pH). The proven stability

of the 3800 sensors translates into less maintenance and more reliable measurements even after multiple sterilization cycles. Models 3800 are at least 2 times more stable than any other pH sensor in this challenging application.



SPECIFICATIONS

Sensor Type: **PUR-SENSE**™ 3800, 3800VP

Characteristics: sterilizable and maintenance free sensor for determination of pH value; Drift free reference electrode design; built-in Pt 100 temperature sensor (VP only)

Range: pH 0 to 14

Temperature Range: up to 105°C (steam up to 140°C) / up to 221 F° (steam up to 284 F°)

Pressure Range: max 6 bar at 105°C/ max 72 psig (600 kPa) at 221 F°

Dimensions: 12 mm OD, shaft length -01= 120 mm, -02 = 225 mm, -03 = 325 mm

Remarks: Suitable for all Rosemount pH-instruments. Quality certification includes list of wetted materials and calibration records.

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Analytical

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