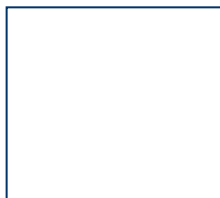


DynaProbe II®

High Pressure and High Temperature pH and Redox (ORP) Sensors



DynaProbes were designed to withstand the aggressive environment of pulp and paper manufacturing. The patented internal design features a solid state, reference half-cell with the unique IonTrap™ for extended sensor life in the most severe applications. Choose from the different body styles, body materials, reference materials and bulb designs to create a sensor to fit any industrial application. The three primary sensor designs are: Twist Lock, Pipe Thread, and Valve Retraction

Twist Lock

Seals into the twist-lock housing adapter via dual o-rings for in-line measurements. The body is moulded from chemical-resistant Ryton (PPS) and the reference junction is porous Teflon.

ST851 Series Specifications

pH Range	0 – 14 pH
ORP Range	± 5000 mV
Temperature Range	0 - 120° C
Maximum Pressure	50 psig at 120° C
Standard Wetted Materials	Ryton, Teflon, Glass, Viton o-rings
Options Available	Dome bulb, Flat bulb, or High pH glass
Compatible Housings	Twist-Lock Adapter for threaded tee

Pipe Thread

These DynaProbes are designed for in-line or submersion applications. The sensor body threads directly into a tee or end of a pipe and is moulded from chemical-resistant Ryton.

ST873 and ST956 Series Specifications

pH Range	0 – 14 pH
ORP Range	± 5000 mV
Temperature Range	0 - 140° C
Maximum Pressure	150 psig at 120° C
Standard Wetted Materials	Ryton, Teflon and Glass
Options Available	Dome bulb, Flat bulb, or High pH glass
Compatible Housings	1" NPT (ST873) or 0.75" NPT (ST856) fittings

Valve Retraction

This sensor model is designed for use with the insertion / retraction assemblies. The sensor body, with integral bulb guard and anti-blowout restraint, is moulded from chemical-resistant materials and the reference junction is porous Teflon.

ST977 Series Specifications

pH Range	0 – 14 pH
ORP Range	± 5000 mV
Temperature Range	0 - 120° C
Maximum Pressure	100 psig at 90° C
Standard Wetted Materials	Ryton, Teflon and Glass
Compatible Housings	Valve retraction assembly / Insertion sensor assembly

These sensors are also available with a flat bulb design to allow the turbulence of the process to clean the sensor and minimize clogging.

All three designs are available with the following options:

- ORP Measurement
- Built-in Temperature Compensation
- Solution Ground
- Custom Cable



These products comply with current European Directives

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