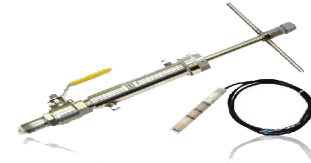




ABB's Endura pH sensors last longer and need less maintenance

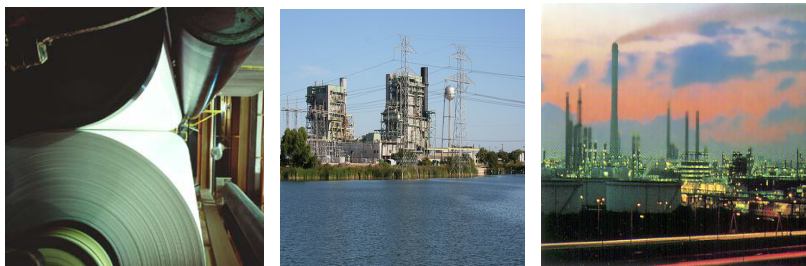
DESCRIPTION

There is only one family of pH sensors that lasts up to 3 times longer in harsh applications, yet needs less maintenance, cleaning and calibration. ABB's unique Endura pH sensors have a special design to withstand poisoning and build-up found in industrial installations. They are also compatible with most brands of electronics. The latest addition to the Endura pH product family is the TBX587. This sensor has a one inch process connection and is designed for highly corrosive applications. It even features a T-handle for easy and safe insertion and retraction by the operator.



FEATURES

- One inch retractable sensor - specifically designed for smaller sample line installations
- Quick response thermal compensator - provides accurate pH measurement even with changing process temperatures
- 150 PSIG maximum pressure rating easy "T" handle for insertion into pressurized processes
- Next step™ solid state reference - eliminates poisoning, pumping and plugging
- Solution ground rod - permits continuous sensor diagnostics
- Variety of sensor wiring options - vario pin and pinned leads wiring options
- Operating temperature up to 140 °C (284°F) - the highest glass temperature limit on the market
- Combination electrode style construction - measuring, reference and temperature element all-in-one compact sensor body
- TBI heritage - based on the most successful harsh applications pH sensor design on the market



APPLICATIONS

- **Power Generation** - TBX587 with wood reference and flat glass electrode resists abrasive gypsum slurry from absorber. The handle allows for easy insertion and retraction if process build-up is problematic. Flushing ports can be used in extreme slurry applications to purge the sensor prior to insertion and extraction.
- **Pulp & Paper Mill** - Pulping and Bleach Applications. Direct Replacement for other products that use a 1" NPT (25 mm) process connections. Teflon Next Step Reference provides extremely long life when exposed to pulping and bleaching chemicals. Sensor lifespan normally 2x to 3x that of conventional gel filled sensors. High coating application that most pH manufacturers will not attempt. ABB Wood Reference technology resist coating from tall oil resins. The TBX587 temperature rating of 284°F (140°C) is well suited for this high temperature application.
- **Chemical Applications** - Use the TBX587 in sample line (fast loop) applications where a 1" NPT (25mm) sensor is applicable. TBX587 eliminates the need for upstream and downstream ball valves.