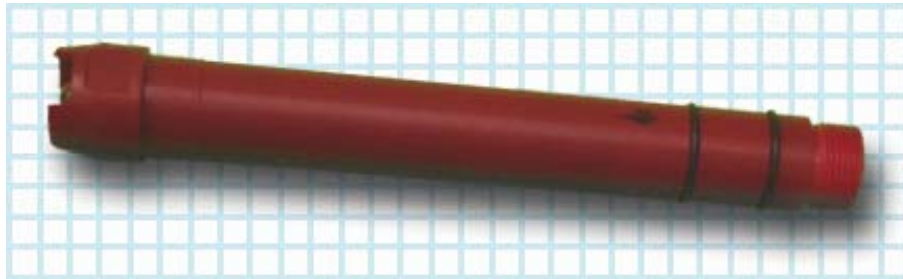




The 3rd Generation pH Sensor from the Same Mind that brought you the first 2.

BARBEN
Analyzer Technology, LLC

547 / 557 Insertion - Retraction, Threaded In-line, Submersible, Hi-Pressure, Hi-Purity



Features:

- Chemically resistant CPVC, KYNAR, Polypropylene or PEEK body
- Rugged, quick-change, quick-clean
- Optional installation methods allows standardization of entire plant with a minimum of sensor part numbers.
- 547/557 sensors and assembly parts are interchangeable with ABB TBI-Bailey Models TB557 and TBX557.
- pH / ORP sensors utilize patented Axial Ion Path reference cell

Sensor & Transmitter Types Supported:

- pH, ORP, ISE, 4-electrode Conductivity, DO
- Compatible with most industrial transmitters and analyzers

Wetted Materials:

KYNAR, CPVC, PEEK, Polypropylene. Gr.2 Titanium, 316 Stainless Steel, porous TEFLON, VITON, EPDM, Kalrez, Nickel, Wood, & Glass.

Contact our offices or your local representative to insure chemical compatibility.

Maximum Pressure & Temperature Ratings

Max temperature: 150°C (PEEK), 140°C (Kynar), 100°C (CPVC and Polypropylene)

Max pressure: 150 psig for standard systems (may be operationally limited to 100 psig depending upon system)

Max pressure: 2,500 psig (Pressure Monster system)

See temperature and pressure charts in technical section for complete ratings

800-993-9309

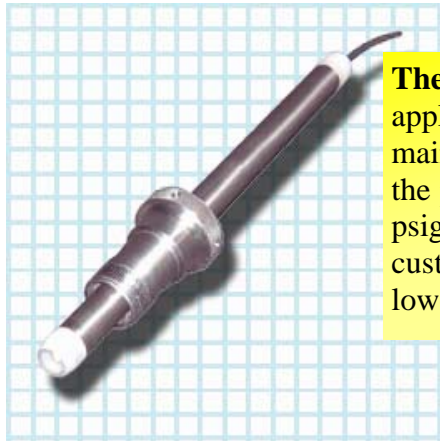
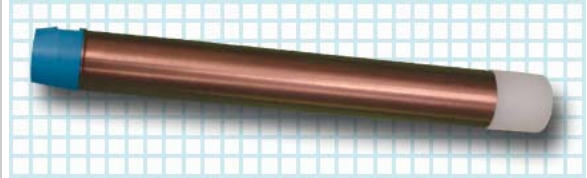
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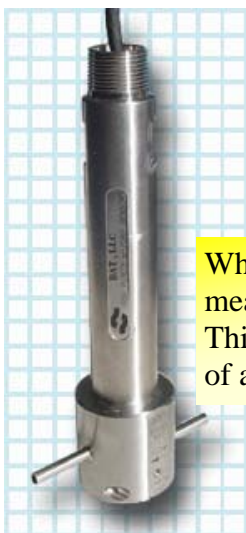
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547/557 sensor cartridges are assembled in a *reusable* Titanium sheath, Hi-Pressure body, or Hi-Purity flow cell. The complete sensor assembly can then be installed into the process in many ways, allowing standardization throughout the plant.



The **ball-valve insertion assembly** is our most popular application for the 547/557 cartridge. This system allows maintenance and replacement of the sensor without shutting off the process line or draining the tank. Operationally rated to 100 psig. Insertion depths, materials, and cleaning systems are customer selectable to insure the best measurement with the lowest total cost of ownership

Our **“Pressure Monster”** sensor body allows certification up to 2,500 psig, even while tolerating elevated temperatures. Provides unmatched pressure tolerance and enhanced safety.



When matched with our **Hi-Purity flow cell**, a stable pH measurement down to 0.5 micro Siemens is achieved. This system can be provided as a separate unit, or as part of an assembled Hi-Purity measurement panel.

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