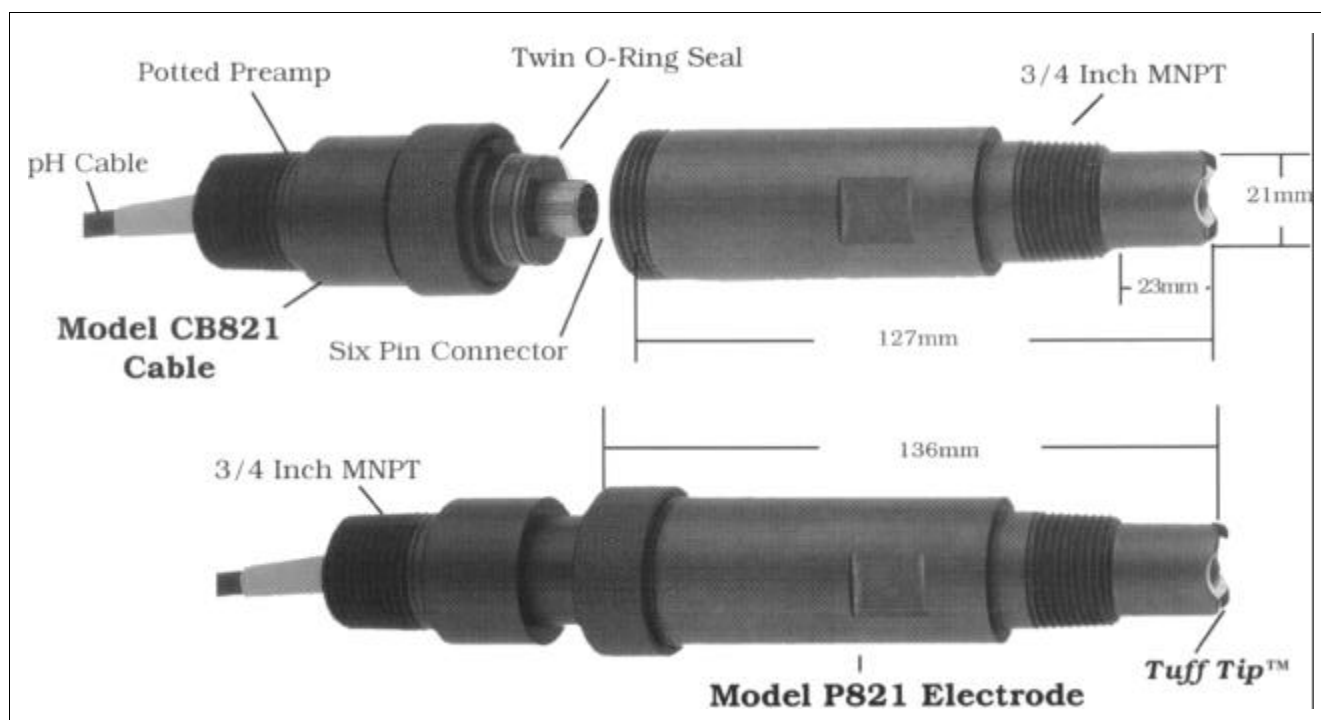


Model P821 Sensor

Detachable Cable Assembly With a Differential Pre-amplifier pH and ORP



Specially designed for convenience of electrode replacement where minimal troubleshooting and maintenance downtime are of prime importance. It is suitable for virtually all applications where a high performance sensor is required, either in-line or submersible installation. The electrode features a detachable cable with an integral differential pre-amplifier which eliminates any ground loop problems. The pre-amplifier converts the high impedance signal into a stable, noise free signal.

The sensor is housed in a chemically resistant graphite filled *Ryton*® body with *Viton*® O-rings. The graphite filled *Ryton*® body is used as a solution ground. The electrode tip is constructed in a unique *Tuff Tip*™ guarded tip design with a *Magna-Flow*™ peripheral ceramic reference junction. The *Magna-Flow*™ reference junction provides longer life in harsh, dirty applications and in process solutions containing a high solid content. It is also superior in applications such as lime slurry waste treatment, paper machine head box, and pigment/dye applications. The reference does not require electrolyte replenishment during the life of the electrode.

Ryton is a trademark of Phillips 66 Co.
Viton is a trademark of E.I. du Pont de Nemours & Co.
Magna-Flow is a trademark of pHoenix Electrode Co.
Tuff Tip is a trademark of pHoenix Electrode Co.
Teflon is a trademark of E.I. du Pont de Nemours & Co.

Standard Features

- In-line or Submersible
- 3/4" MNPT process fitting
- Temperature Compensated
- Detachable differential preamplifier
- Solution Ground
- Graphite filled *Ryton*® Housing
- *Magna-Flow*™ reference junction
- *Tuff Tip*™ pH electrode End
- Self Cleaning
- Compatible with most analysers

Specifications

pH Range: GX-2 0-12pH; GX-3 0-14pH
Temperature: 0-120°C
Maximum Pressure: 100psig (700kPa) @ 70°C
Wetted Materials: Glass, Graphite Filled *Ryton*®
Process Connection: 3/4" MNPT
Cable length: 10ft. (3m.) (Longer cables available)

Options

BSP or metric threaded process fittings.
Teflon® or wood junctions
 Single ended pre-amplifier
 Platinum or gold disc ORP sensor
 Fixed cable with no pre-amplifier
 Detachable cable with no pre-amplifier



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