

## MODEL P821 SENSOR

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### Model P821 Disposable Combination Electrode

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 preamplifier which eliminates any ground loop problems. The preamp converts the high impedance signal into a stable, noise free signal.

The sensor is housed in a chemically resistant, graphite filled Ryton® 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-Sens® peripheral ceramic reference junction. The Magna-Sens 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 headbox and pigment / dye applications. The reference does not require electrolyte replenishment during the life of the electrode.

### Standard Features

- In-Line or Submersible
- ¾ Inch MNPT Process Fittings
- Temperature Compensated
- Detachable Differential Preamp
- Solution Ground
- Graphite Filled Ryton® Housing
- Magna-Sens® Reference Junction
- Tuff Tip® pH Electrode End
- Self Cleaning
- Compatible With Most Analyzers

### Specifications

**pH Range:** GX-V: 0-14 pH

**Temperature:** 0°C to 120°C

**Maximum Pressure:** 100 PSIG at 70°C

**Wetted Materials:** Glass, Graphite Filled Ryton,  
Ceramic

**Process Connections:** ¾ Inch MNPT

**Cable Length:** 10 Feet (Longer Cables Available)

### Options

Single Ended Preamp

Platinum or Gold Disc ORP Sensor

Detachable Cable with No Preamp

Ryton is a Trademark of Phillips 66 Co.

Viton is a Trademark of E.I. du Pont de Nemours & Co.

Magna-Sens is a Trademark of Van London - Phoenix Co.

Tuff Tip is a Trademark of Van London - Phoenix Co.

### *FOR ADDITIONAL PRODUCT INFORMATION,*

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