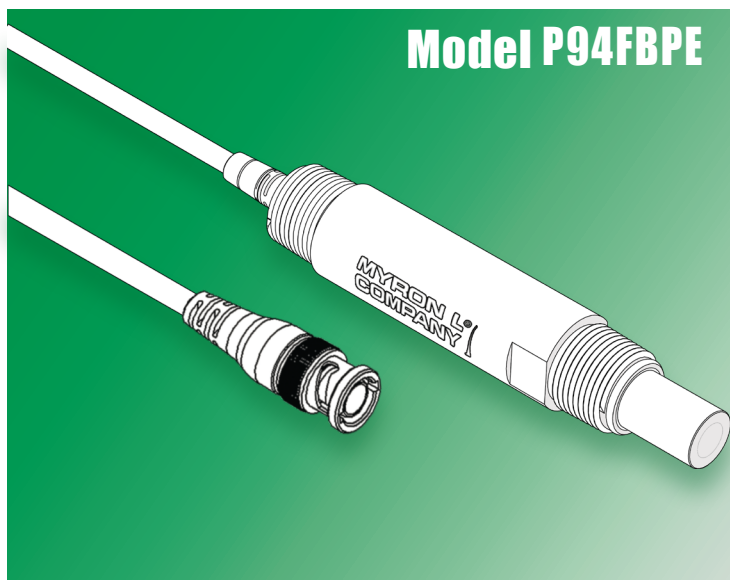


# pH SENSOR: P94FBPE

Heavy Duty, BNC Terminated pH Sensors for 900 Series Multi-Parameter Monitor / Controllers



Model P94FBPE

- Heavy duty, flat-tip sensor design resists fouling and abrasion.
- Sensor area completely sealed to eliminate leaks<sup>1</sup>.
- Sensor body made from **Ryton®** for excellent temperature and chemical durability.

## BENEFITS

- **Superb Response Time.**
- **0-14 pH Range.**
- **Double-Junction Reference Design.**
- **Double-ended NPT for simple in-line or submersion installations, independent of mounting orientation.**

## DESCRIPTION

The Myron L® Company P94FBPE pH sensor is designed to connect to the BNC input of the Myron L® Company 900 Series Multi-Parameter Monitor / Controller.

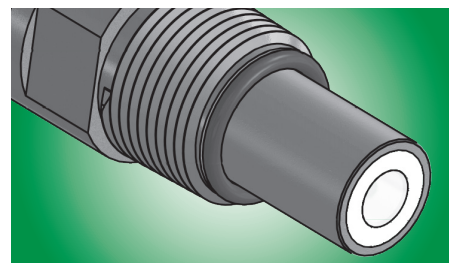
The P94FBPE sensor body is made from durable **Ryton®** PPS (polyphenylene sulfide). **Ryton** combines excellent temperature tolerance with superb resistance

to solvents and corrosive chemicals and has an inherent UL94 V-0 flammability rating without flame retardant additives. A double-ended, 3/4" NPT fitting makes this sensor easy to install in-line or as a submersion sensor.

Double-Junction Reference design means the sensor can withstand sensor poisoning in more demanding applications. Because the external junction is made from polyethylene the P94FBPE is perfect for harsher industrial environments where contamination of the junction is a concern.

The P94FBPE sensor uses a flat tip design that stays cleaner and resists damage better than the classic bulb design when exposed to abrasive and/or oily solutions. It is an excellent choice for more

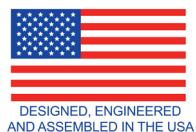
demanding applications, such as wastewater management, or when measuring the pH of non-aqueous solutions.



P94FBPE Sensor Tip Detail

Standard cable length is 10ft. (3.05m). The sensor's BNC connector is compatible with any high input-impedance, pH meter or monitor equipped to accept a BNC connector.

**For more information please visit our website at [www.myronl.com](http://www.myronl.com)**



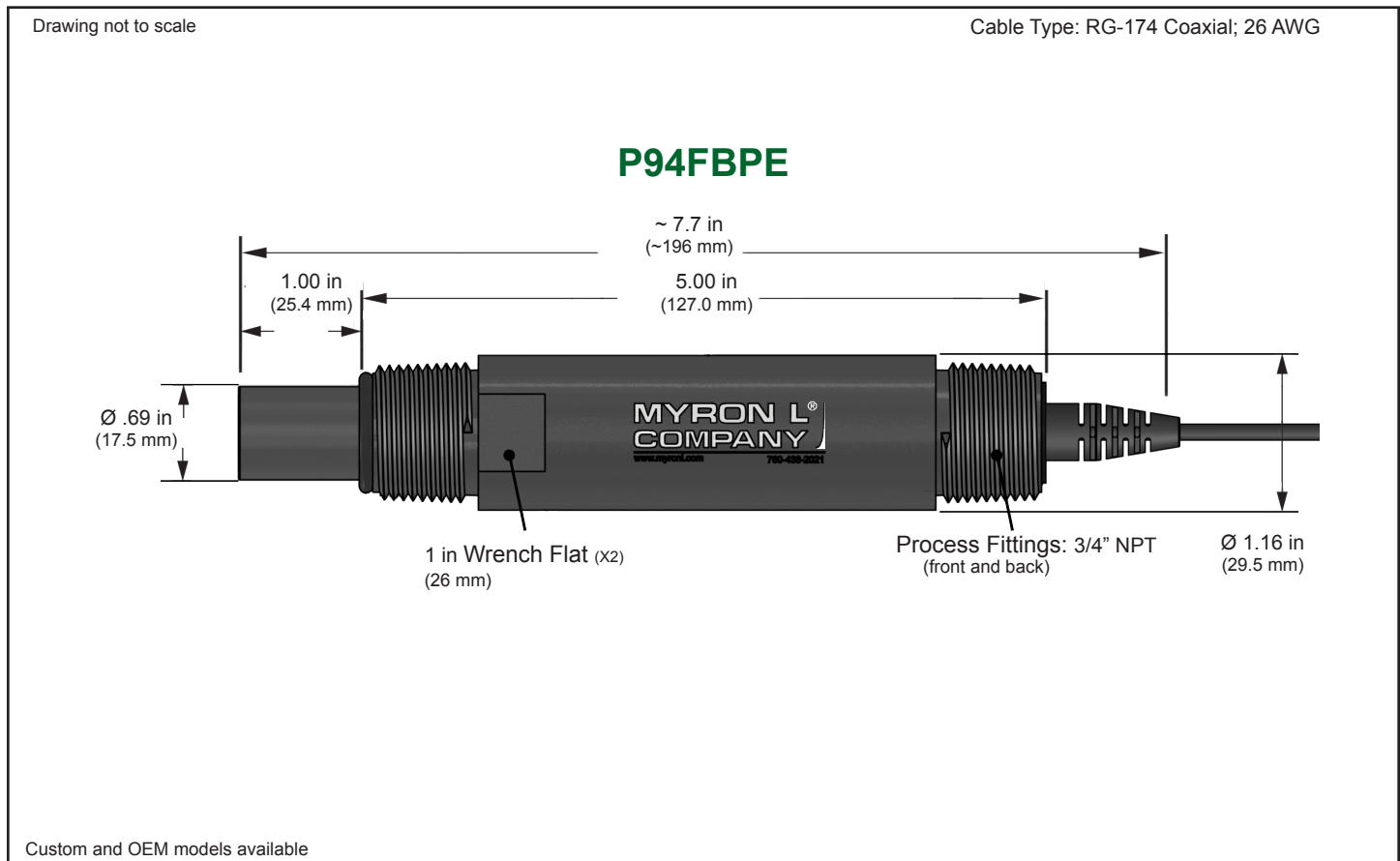
<sup>1</sup> Back seal of sensor body at cable exit is not water tight. DO NOT completely submerge sensor.

## SPECIFICATIONS: P94FBPE

Measurement Range:	0 – 14 pH (sodium ion error above 12.3 pH)
Offset (ZERO):	7.00 ± 0.2 pH
Span:	Better than 95% of theory
Ambient Temperature - Pressure:	0 – 80 °C (32 – 176 °F) <sup>1</sup> ; 0 – 100 PSIG (0 – 6.9 bar) <sup>1</sup> 80 °C (176 °F) @ 50 PSIG (3.5 bar) <sup>2</sup> 25 °C (77 °F) @ 100 PSIG (6.9 bar) <sup>2</sup>
Signal Conditioning:	NONE
Sensor Geometry:	Flat Glass Tip
Reference Junction:	Double Junction: <b>Internal:</b> Pellon® <b>External:</b> Polyethylene
Temperature Sensor:	NONE
Sensor Body Material:	Ryton®
Physical Connection & Mounting:	3/4" NPT: <b>In-line:</b> May be installed in any orientation <b>Immersion:</b> Requires a standpipe and coupler.
Electrical Connection (Standard):	10 ft. (3.05 m) long Shielded Cable: Standard BNC connector

<sup>1</sup> Temperature and pressure range for ambient environment and immersion installations. Derated limits apply.

<sup>2</sup> Maximum temperature and pressure for wetted sensor.



### LIMITED WARRANTY

All Myron L<sup>®</sup> Company pH Sensors have a Six (6) Month Limited Warranty. If sensor fails to function normally, return the unit to the factory prepaid. If, in the opinion of the factory, failure was due to materials or workmanship, repair or replacement will be made without charge. A reasonable service charge will be made for diagnosis or repairs due to normal wear, abuse or tampering. Warranty is limited to the repair or replacement of the sensor only. The Myron L<sup>®</sup> Company assumes no other responsibility or liability.

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### Built On Trust.

Founded in 1957, the Myron L<sup>®</sup> Company is one of the world's leading manufacturers of water quality instruments. Because of our commitment to product improvement, changes in design and specifications are possible. You have our assurance any changes will be guided by our product philosophy: accuracy, reliability, and simplicity.

