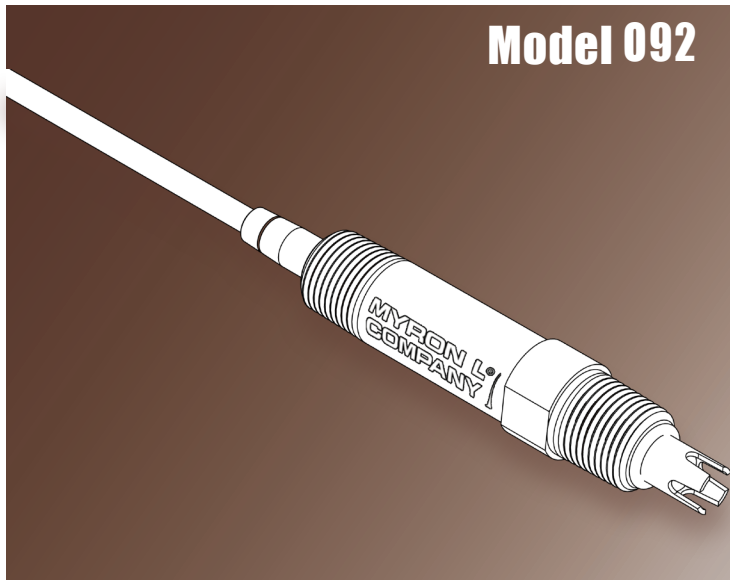


# ORP SENSOR: 092

1/2 in. Preamplified ORP Sensors for 900 Series Multi-Parameter Monitor / Controller



**Model 092**

- *Built-in isolated preamp guarantees accurate, trouble-free operation.*
- *Sensor area is completely sealed to eliminate leaks<sup>1</sup>.*
- *Sensor body made from Ryton® for excellent temperature and chemical durability.*
- *Platinum ORP Electrode.*

## **BENEFITS**

- *Superb Response Time.*
- *Double-Junction Reference Design.*
- *± 2000 mV Range.*
- *Double-ended NPT for simple in-line or submersion installations, independent of mounting orientation.*

## **DESCRIPTION**

The Myron L® Company O92 ORP sensor is designed to operate exclusively with the Myron L® Company 900 Series Multi-Parameter Monitor / Controller.

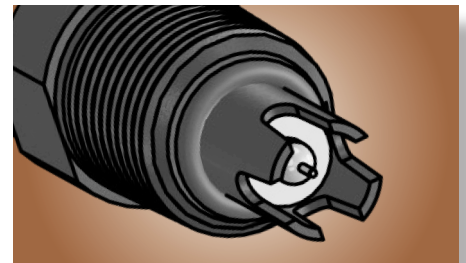
Each sensor has a built-in preamplifier that guarantees

accurate measurements by eliminating ground-loop problems and reducing the effects of cable capacitance and impedance.

The O92 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, 1/2" NPT fitting makes this sensor easy to install in-line.

Double-Junction Reference design means this sensor can withstand poisoning in more demanding applications. The external

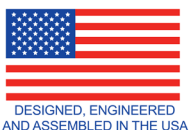
junction is made of Pellon® for fast response time.



*O92 Sensor Tip Detail*

Standard cable length is 10ft. (3.05m) terminated with 6, tinned leads (5 signal; 1 shield). A separate 5-pin terminal block is included<sup>2</sup>.

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



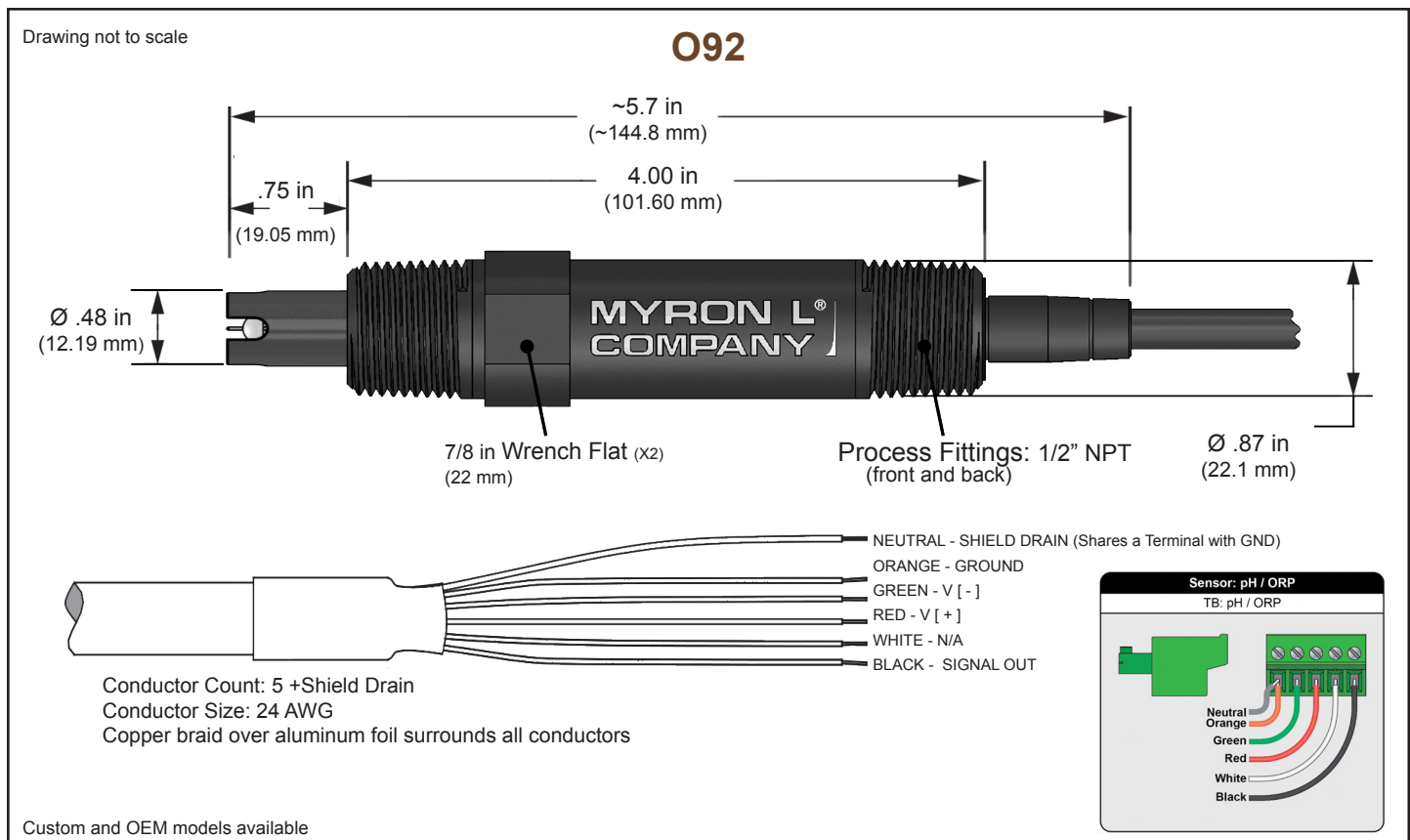
<sup>1</sup> Back seal of sensor body at cable exit is not water tight. DO NOT completely submerge sensor.  
<sup>2</sup> Shield drain and sensor ground share a terminal.

## SPECIFICATIONS: O92

Measurement Range:	± 2000 mV Range
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:	Built-in preamplifier
Sensor Material:	Platinum
Sensor Geometry:	Extended Tip
Reference Junction:	Double Junction: <b>Internal: Pellon®</b> <b>External: Pellon®</b>
Temperature Sensor:	PT1000 RTD
Sensor Body Material:	Ryton®
Physical Connection & Mounting:	1/2" NPT: <b>In-line:</b> May be installed in any orientation. <b>Immersion:</b> Requires a stand pipe and coupler.
Electrical Connection (Standard):	10 ft. (3.05 m) long Shielded Cable: 24 AWG, 5 leads + Shield Drain Wire 5-pin Terminal Block Included.

<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 The Myron L® Company ORP 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® Company assumes no other responsibility or liability.

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## Built On Trust.

Founded in 1957, the Myron L® 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.

