



### Submersible Galvanic Dissolved Oxygen Sensors



Large Solution Capacity for Long Term Deployment

Models with and without Temperature Sensor

Easy installation and maintenance

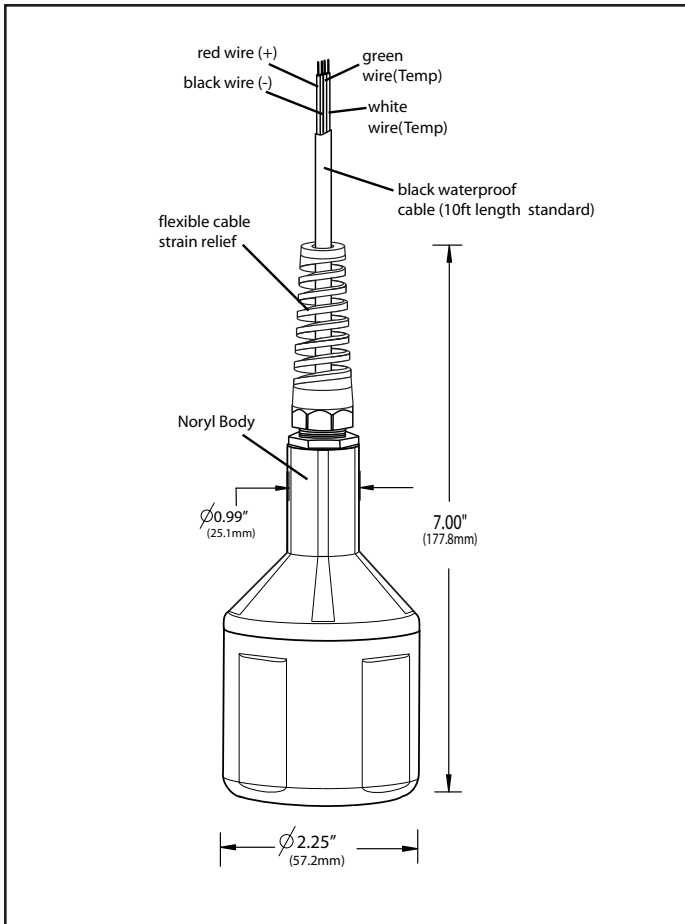
mV or 4-20mA Output Models Available

The DO6400 series dissolved oxygen sensors feature a large capacity electrolyte holder, positive fit, easy to replace membrane and dependable galvanic cell technology for long term deployment. The body design ensures a good grip when wet. Ideal for Aquaculture and wastewater monitoring applications, these sensors require minimal maintenance. Teflon or High-Density Polyethylene (HDPE) membranes are available. Replacement membranes, installation tool and electrolyte are sold separately or as a convenient kit. Sensors with mV output as well as built-in 4-20mA output in 0-100% and 0-200% saturation range are available.

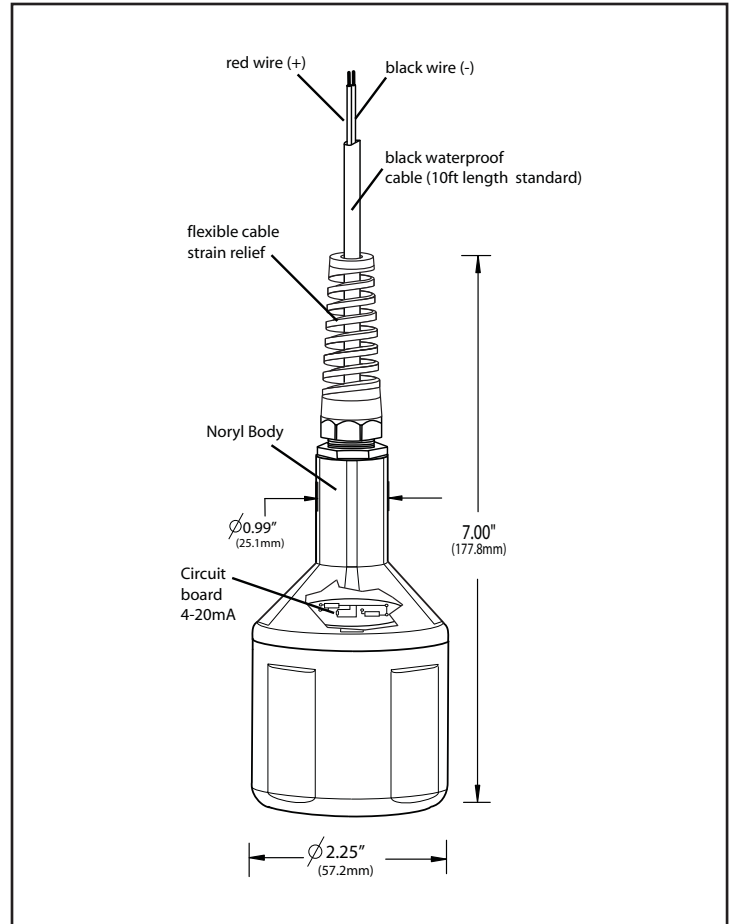
Specifications	
O <sub>2</sub> Measuring Range	DO6400 (0.5-20ppm), DO6441(0-100%), DO6442(0-200%)
Body material	Noryl
Maximum Temperature	50 Degrees C
Power Requirement	12-36V DC (for models DO6441, DO6442 only )
Temperature Sensor	(User specified temperature elements) - Connect to your controller or PLC for temperature output
Cable length	10 feet, tinned leads
Minimum Flow rate	2 inches per second
Output @ Air saturation	HDPE DO6400 (45mV +/- 9mV) Teflon DO6400 (33mV +/- 9mV)  HDPE & Teflon DO6441 (0-100%) - fixed 4.5mA = <1 ppm DO HDPE & Teflon DO6441 (0-100%)- fixed 15-20 mA = saturated air  HDPE & Teflon DO6442 (0-200%)- fixed 4.5mA = <1 ppm DO HDPE & Teflon DO6442 (0-200%) - fixed 10-12 mA = saturated air



OUTLINE DRAWING AND DIMENSIONS  
FOR DO6400 SERIES SENSORS



OUTLINE DRAWING AND DIMENSIONS  
FOR 4-20mA SERIES SENSORS



ORDERING INFORMATION

Sensors

Part No.	Description
DO6400-H	DO Sensor, HDPE Membrane
DO6400-T	DO Sensor, Teflon Membrane
DO6400-H-TC	DO Sensor, HDPE Membrane, supplied with customer specified temperature element
DO6400-T-TC	DO Sensor, Teflon Membrane, supplied with customer specified temperature element
DO6441-H	DO Sensor, HDPE Membrane, 4-20mA (0-100% sat.)
DO6441-T	DO Sensor, Teflon Membrane, 4-20mA (0-100% sat.)
DO6442-H	DO Sensor, HDPE Membrane, 4-20mA (0-200% sat.)
DO6442-T	DO Sensor, Teflon Membrane, 4-20mA (0-200% sat.)

**Note: 1) All DO sensors are shipped dry with membrane preinstalled**  
**2) All DO sensors are shipped with 2 membranes, 2 membrane o-rings, 1 membrane removal tool and 1 each 250mL of electrolyte (enough for about 4 refills).**

Accessories

Part No.	Description
DO6050-H	Membrane maintenance kit for DO6400 Series sensors 5 each HDPE membranes, 5 each membrane o-rings, 5 each tensioning washer, 1 bottle (250mL) electrolyte
DO6050-T	Membrane maintenance kit for DO6400 Series 5 each Teflon membranes, 5 each membrane o-rings, 5 each tensioning washer 1 bottle(250mL) electrolyte
DO6051-H	Membrane maintenance kit for DO6400 Series 25 each HDPE membranes, 25 each membrane o-rings, 25 each tensioning washer, 3 bottles(500mL ea) electrolyte
DO6051-T	Membrane maintenance kit for DO6400 Series 25 each Teflon membranes, 25 each membrane o-rings, 25 each tensioning washer, 3 bottles(500mL ea) electrolyte
DO6052	Spare Parts kit for DO6400 Series sensors. Contains: 2 each membrane lock, 2 each tensioning washer, 2 each body o-rings, 1 membrane replacement tool

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