

**NEOFOX-KIT-PROBE Included:**

Item	Description
NeoFox-GT	Benchtop NeoFox phase fluorimeter
FOSPOR-R (part of the R-Series Oxygen Sensor Probe)	General purpose 1.587 mm (1/16") stainless steel
BIFBORO-1000-2	Bifurcated fiber assembly
21-02	SMA splice bushing
NeoFox-TP	Thermistor probe for temperature compensation
NeoFox Viewer	Software for oxygen sensing

**Oxygen Sensing Specifications for FOSPOR-R probe**  
**Reported in percent oxygen at different oxygen measurement levels**

	0%	1%	5%	10%	20%	50%	90%	100%
Accuracy	–	–	0.01	0.01	0.01	0.05	0.05	0.05
Resolution	0.005	0.005	0.004	0.01	0.02	0.1	0.1	0.2

**Drift Specifications for included FOSPOR-R probe**

At 0% Oxygen	At 20% Oxygen
0.0003%/hr	NA

# Specification

Model	NEOFOX-GT
Dimensions	107.95 x 63.5 x 38.1 mm
Weight	642 g
Principle	Photoluminescence quenching using a ruthenium compound: sensor measures O2 partial pressure
Parameters measured	Luminescence phase shift, AC luminescence intensity temperature (via optional external thermistor) and pressure (via onboard pressure transducer)
Sensor coating formulations	High-sensitivity (FOSPOR) and hydrocarbon-ready (HIOXY)
Media	Gases and liquids
Communications	USB, analog out
External Power Supply Voltage	4.5 – 5.5 V (5.0 V typical)
Power Consumption	2.5 W (5 V External Power, Charging, Typical)
Data Logging Rate, Maximum	10 Hz
4-20 mA Output Accuracy at 25 °C	± 160 µA
0-5 V Output Accuracy at 25 °C	± 50 mV
Electronics Operating Temperature	0 – 55°C