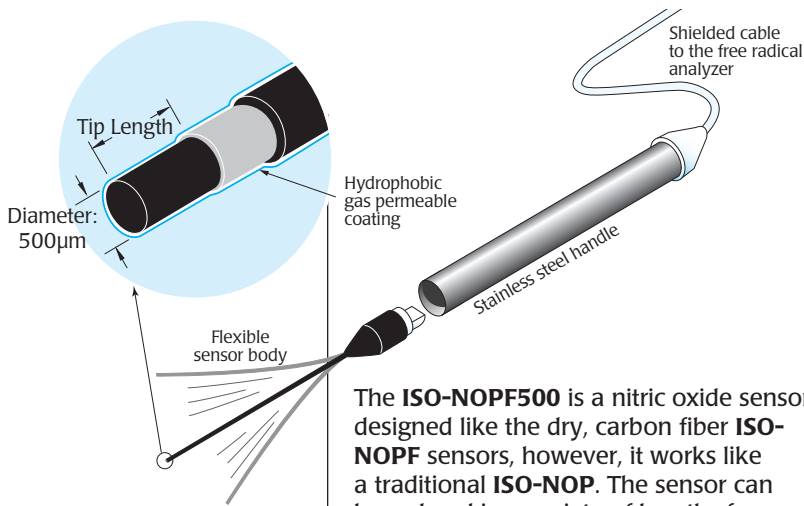




ISO-NOPF500-Cxx

Microsensor for NO Measurement



The ISO-NOPF500-Cxx is used like the other carbon fiber NO microsensors.

The ISO-NOPF500 is a nitric oxide sensor designed like the dry, carbon fiber ISO-NOPF sensors, however, it works like a traditional ISO-NOP. The sensor can be ordered in a variety of lengths from 5–10mm. It incorporates WPI's proprietary combination electrode technology in which the nitric oxide-sensing element and separate reference electrode are encased within a single shielded sensor design.



The ISO-NOP was the original nitric oxide sensor, ideal for cell cultures, cell suspensions and many other applications. The new ISO-NOPF500 can be used in the same way, but offers several advantages:

- Requires no sleeves or filling solutions
- Flexible and durable, like other ISO-NOPF sensors
- High sensitivity for a rapid response time—ten times more sensitive than the ISO-NOP
- Can be used in acidic conditions
- Longer sensor tip than the ISO-NOP
- Bigger linear range than the ISO-NOP (range is based on the length of the sensor tip)
- Calibration with either the SNAP or Nitrite method

SPECIFICATIONS

Outside Diameter	500µm
Available Length	5–10mm
(length varies in 1mm increments—for example, 1mm, 2mm, 3mm.... 5mm is standard. Sensor length is proportional to sensitivity.)	
Response Time	< 10sec.
Detection Limit/Range	0.2nM
Nominal Sensitivity-New Sensor.....	≥20 pA/nM
Baseline Drift.....	none
Poise Voltage.....	865mV
Typical Quiescent Base-line Current, 25°C.....	5,000pA
Acceptable Baseline Range	3,000–25,000pA
Polarization Time.....	8+ hrs

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