

Sensor for AN300 Nitrogen Analyzer

SKU: N-33

Price: ?312.00



Description

The N-33 is a replacement electrochemical oxygen sensor for gas analyzers. Under normal use, oxygen sensors have an expected service life of 36 months. The N-33 replacement sensor fits the following analyzers:

- AN300 Portable Nitrogen Analyzer

WARNING: Never expose gas sensors to pressure or you may cause damage and/or false readings. Damaged sensors will not provide accurate gas analysis. Most gas analyzers can be used to analyze a regulated gas sample flow, the contents of a gas cylinder, or the flow from a regulator. The flow rate of gas must equal 1-5 L/min. To produce this flow, a [Flow Restrictor and Regulator](#) may be required. A faulty Flow Restrictor can lead to a false analyzer reading. Flow Restrictors should be regularly tested with a Flow Meter. Inaccurate gas analysis can lead to serious personal injury or death.

Specifications

Output	10±3 mV in air at 25°C/77°F, sea level
Electrical Connector	Mating plug: Molex (PN 22-01-3037 or 22-01-2037)
Range	0–20.9% oxygen (79.1–100% nitrogen)
Accuracy	Within ±1% of full scale at constant temperature and pressure when calibrated with air (20.9% oxygen)
Shelf Life	24 months
Expected Sensor Life	36 months in air at 77°F (25°C) and 50% rh
Response Time	<6 seconds for 90% of final value

Operating Temperature	32–104°F (0–40°C)
Storage Temperature	32–122°F (0–50°C)
Humidity	0–99% rh (non-condensing)
Weight	1 oz (28.3 g)
Temperature Compensation	Temperature compensation error is $\pm 5\%$ of full scale over the operating temperature range. Worst case tracking error (within the first hour after a maximum temperature step) is $\pm 10\%$ of full scale. (Gas samples must be brought to ambient temperature) Percent readout is only within $\pm 1\%$ at constant pressure (e.g. a 10% increase in pressure will result in a 10% increase in full scale).
Warranty	0 – 12 Months Free Replacement 13 – 18 Months 50% Off Replacement 19 – 24 Months 25% Off Replacement

ORDERING INFORMATION: All sales are final. Due to the nature of this item it is non-returnable. Nuvair does not normally stock this item and/or its components. Any cancellation of an order, once confirmed, will not be accepted by Nuvair. Make sure you definitely want this item before placing your order.

Third-Party Reseller Gas Analyzer & Sensor Warranty Period

Many Nuvair products are available through third-party resellers, including retail stores, distributors, Amazon.com, and other e-commerce sites. For gas analyzers and replacement sensors purchased from this distribution network, the warranty period begins on the date of manufacture. However, when purchased directly from Nuvair.com, the warranty starts on the purchase date.

Why? Because many gas analyzer sensors contain chemical cells similar to battery cells, which have a limited lifespan. Nuvair takes extra care to ship only recently manufactured sensors and analyzers, ensuring the longest possible lifespan when purchased directly from Nuvair.com.