



SERRAX TECHNOLOGIES

An ISO 9001 : 2015 Certified Company
An ISO/ IEC 17025 Accreditation Calibration Laboratory

PRODUCT CATALOGUE



**A Leading
Manufacturer
and Supplier of
Air Quality
Monitoring, Gas
Monitoring, and
Industrial
Process
Measurement
Instruments.**

NITROGEN PURITY METER (NPM250)



The Nitrogen Purity Meter (NPM 250) is a reliable and accurate tool in the complex world of industrial operations where accuracy is critical. This cutting-edge equipment provides a complete solution for monitoring and maintaining optimal nitrogen purity. It is painstakingly built to meet the demanding needs of industries dependent on high-quality nitrogen gas. Modern sensors and technology on the NPM 250 guarantee highly accurate nitrogen purity measurements. This device offers unmatched reliability in realtime data with an accuracy level that surpasses industry requirements. Because of its broad dynamic measuring range, this nitrogen purity meter can be used in a variety of sectors. The NPM 250 adjusts to the particular requirements of your operation, regardless of the level of nitrogen purity required by your process. With the NPM 250's intuitive UI, navigating the complexity of gas analysis is made simple. The instrument's user-friendly design makes it simple to operate, making it suitable for both experienced operators and operators with different degrees of skill. Operators can monitor and analyze data instantly because the equipment displays nitrogen purity levels in real-time. This feature facilitates fast decisionmaking, allowing operators to act quickly to preserve ideal process conditions. The NPM 250 has an integrated calibration system with automated alarms for calibration intervals to guarantee continuous accuracy. This proactive maintenance strategy reduces downtime and extends the instrument's lifespan. At the heart of the NPM 250 lies a state-of-the-art Nitrogen (EC) sensor, renowned for its exceptional accuracy. This devise may come in portable or handheld versions for on-site measurements, or as stationary units for continuous monitoring in industrial settings.

Benefits

Quality Control : Ensures that the nitrogen gas used in industrial processes meets specified purity standards, contributing to overall product quality and consistency. Process Optimization : Facilitates the optimization of manufacturing processes by providing real-time data on nitrogen purity, allowing for adjustments and improvements to enhance efficiency. Cost Savings : Helps prevent the use of nitrogen with lower purity than required, reducing waste and minimizing costs associated with production inefficiencies. Equipment Protection : Ensures the purity of nitrogen used in sensitive equipment, such as electronics manufacturing, preventing contamination that could damage components. Safety Assurance: Contributes to the safety of industrial processes by monitoring and ensuring the purity of nitrogen gas, preventing the use of compromised gas that could pose risks to personnel or equipment. Compliance with Standards : Enables industries to adhere to specific quality and safety standards related to nitrogen purity, ensuring regulatory compliance and avoiding penalties. Prevention of Contamination : Minimizes the risk of product contamination in industries such as food packaging and pharmaceuticals where nitrogen is used to create controlled atmospheres. Extended Equipment Lifespan : Protects equipment and machinery from potential damage caused by impurities in nitrogen gas, contributing to the extended lifespan of industrial assets. Real-Time Monitoring : Provides real-time monitoring of nitrogen purity levels, allowing for prompt corrective actions in case of deviations, thereby maintaining consistent product quality. Versatility : Nitrogen Purity Meters are versatile instruments applicable in a range of industries, including manufacturing, electronics, pharmaceuticals, and food processing, showcasing their adaptability to diverse settings. Environmental Impact : Helps reduce environmental impact by optimizing nitrogen usage, minimizing waste, and contributing to sustainable and resource-efficient practices.

SPECIFICATION

Range	0 - 99.9%
Resolution	0.1%
Accuracy	0.2% @ (0.0 - 5.0 %) and 0.5% (5.0% - 99.9%
Response time	T90 < 10sec @ positive pressure
Operating Temperature	0 - 60°C
Operating Pressure	<15 PSI
Display	128 x 64 GLCD
Power	Rechargeable battery
Auto Calibration	User command for ambient air calibration
Dimension	18.5 x 11.0 x 5.5 cm





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