

# Quick-Check™ – Nitrogen Purity Sensor

for the  
N<sub>2</sub>-Blast® - FPS Nitrogen Generation System

Nitrogen has become the preferred method for pressurizing Dry and Pre-action Fire Protection Systems (FPS) to inhibit internal piping wall corrosion, Galvanic and Microbiologically Influenced Corrosion (MIC). The N<sub>2</sub>-Blast® - Nitrogen Generation System produces high purity Nitrogen on demand from the air we breathe, and introduces the Nitrogen into the FPS piping where normally the air compressor's air feed is connected (i.e. the Air Maintenance Device). Low pressure Nitrogen in turn replaces the compressed air to provide Supervisory Pressure as needed.



It is important to ensure that Nitrogen is equally distributed throughout all branches within the entire FPS. To make sure this is achieved; South-Tek Systems has designed the Quick-Check™ – Nitrogen Purity Sensor to monitor the purity of Nitrogen present within the FPS piping. The Quick-Check™ is available in either a Fixed or Portable system.

The Fixed system (shown above) is designed to attach to the outlet of a South-Tek *AutoPurge System™* (APS). The Quick-Check™ is housed within a wall mountable NEMA 1, 6" x 6" x 4" enclosure requiring only 110V power. The Quick-Check™ has an integrated Nitrogen Level Alarm Relay and Dry Contact rated up to 240VAC 16amps (NC&NO contacts available) to provide Nitrogen purity information to the supervisory circuit on the Building Monitoring System. This allows you to monitor the Nitrogen levels remotely and to ensure you are obtaining, as specified, the highest level of protection from MIC or Galvanic Corrosion.



The Portable Quick-Check™ (shown to the left) is a hand held battery operated Nitrogen Purity Sensor that quickly connects, as needed, to the South-Tek *AutoPurge System™*. The Portable Quick-Check™ is designed for Building Management Personnel or Sprinkler Contractors doing the Preventative Maintenance to obtain a quick, periodic, visual display of the Nitrogen level within the FPS.

The Quick-Check™ technology, available in both a Fixed and Portable model is the best available, proven, reliable method to ensure and document that the Nitrogen Generation System is maintaining the proper levels of Nitrogen, ultimately inhibiting FPS corrosion.