

Corrosion Monitoring InletScan 3000 Air Sampling System



KEY BENEFITS

- In-depth analysis of turbine operating environment enables informed decision-making on turbine protection.
- Validates performance of an existing filtration system.
- Robust construction enables monitoring in the harshest environments.
- Isokinetic system ensures accurate sampling and data analysis.

Understanding Complex Environments

Gas turbines operate in some of the world's harshest environments, where airborne contaminants and particulate can challenge turbine performance. Understanding the composition of the air entering the turbine can be key to diagnosing turbine issues, compressor health and validating that the appropriate inlet filtration system is in place. The CLARCOR Industrial Air InletScan 3000 Air Sampling System provides detailed monitoring of the inlet air and the resulting analysis can both help identify causes of turbine operational issues and validate performance of an existing inlet filtration system.

Decoding Inlet Air Composition

The InletScan 3000 Air Sampling System is a self-contained monitoring unit typically fitted downstream of the filtration system to analyze dust concentration and the contaminants in the air entering the turbine. However, it can also be positioned upstream and downstream of the filtration system for filter performance validation purposes. Once installed, this standalone system is normally left in place over the long-term to provide regular analysis. It can also be used over shorter periods for one-off checks.

In-depth analysis of the samples collected by the unit provides detailed data on the composition of the inlet air and the levels of contaminants detected; for example, potassium and sodium chlorides, hydrocarbons and other particulate. This valuable data about the turbine's operating conditions enables informed decision-making regarding inlet filtration enhancement and maintenance requirements.

Ease of Use

The InletScan 3000 Air Sampling System utilizes isokinetic sampling equipment to enable accurate readings of contaminant levels. The robust, self-contained unit is air powered, requiring no electrical power source. The integral sampling units can be easily removed for return to CLARCOR Industrial Air for analysis.

Comprehensive Service

The InletScan 3000 unit is set-up and calibrated prior to supplying to the site. A field installation kit is also supplied and can be fitted during a routine maintenance outage. The unit is positioned outside the gas turbine and the sampling container is easily removed for analysis.

For more information, contact your sales representative at [CLARCOR Industrial Air](#):

11501 Outlook Street, Suite 100 | Overland Park, KS 66211
T: +1.800.821.2222 | T: +1.816.356.8400 | F: +1.816.353.1873

3 Omega Park | Alton, GU34 2QE | United Kingdom

T: +44 (0) 1420 541188 | F: +44 (0) 1420 541298

Email: gfi-filtration@CLARCOR.com

www.CLARCORindustrialair.com/gas-turbine-inlet-filtration

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Industrial Air