AVENTICS™ Pressure Dew Point Sensor

Take Control of Your Pneumatic Air Quality

Challenges

One of the most significant challenges in industrial pneumatic systems is the management of moisture content. If not appropriately addressed, it can lead to severe complications.

Water can lead to rust and corrosion, deteriorating metal parts and washing away essential lubricants, thus increasing wear and tear on components. Additionally, water can introduce dirt and debris that may damage valves and other parts.

COMPONENT INTEGRITY AND LONGEVITY

The presence of water can reduce the efficiency of compressors and pneumatic equipment. Poor air quality caused by water adversely affects the performance of tools and machinery. In cold environments, water can freeze, blocking airflow and disrupting operations.

OPERATIONAL EFFICIENCY AND PERFORMANCE

Moisture can mix with other substances in pneumatic systems to form sludge, which may clog or damage components. Additionally, moisture can interfere with pneumatic system sensors, leading to inaccurate readings and products that fail to meet required specifications.

MANTAIN PRODUCT QUALITY

EMERSON™

Proactively Treat Moisture Inside Your Pneumatic Systems

The Aventics Series DS1 Pressure Dew Point Sensor can be an effective tool for proactively managing moisture in pneumatic systems due to its real-time monitoring capabilities, precision, and ability to enable preventive maintenance. By ensuring optimal air quality and reducing moisture-related issues, it contributes to the efficiency, reliability, and longevity of pneumatic systems.

Real-Time Monitoring

Allows immediate detection of moisture levels for prompt corrective actions.

Detects moisture issues early, preventing problems like corrosion or freezing

Precision and Accuracy

Ensures precise measurement of moisture content in compressed air.

Provides accurate readings for informed adjustment decisions for your process

Preventive Maintenance

Enables proactive actions to address moisture issues before damage occurs.

Prevents moisture-related problems, reducing unplanned downtime and costs.

Enhanced System Performance

Ensures dry, clean compressed air for pneumatic tools and machinery.

Prevents issues like corrosion, extending component life and performance.

Integration and Compatibility

Easily integrates into existing pneumatic systems.

Seamless integration with IIoT protocols enables historical moisture level analysis in edge or cloud layers.

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Visit our webpage to learn more

www.Emerson.com/Aventics