



# Airscout<sup>®</sup> Flow Meters

Compressed Air Management Solutions

The Airscout<sup>®</sup> Flow Meter from Ingersoll Rand measures key performance indicators of compressed air usage to identify waste, system inefficiencies and cost saving opportunities.

## Measure, Manage and Save

Compressed air is the most expensive utility. Surprisingly, its consumption is not usually measured like electricity, water or gas. An air system that is not measured cannot be managed. In an average unmanaged system, only 50% of the compressed air produced is actually used for production. The other 50% is lost as waste due to leaks, misuse and artificial demand.

Most facilities know how much air they are producing, but few know how much they are using or wasting. By measuring compressed air usage, these losses are easily tracked and managed to increase system efficiency and reduce costs. Airscout Flow Meters remove any guesswork by collecting accurate measurements throughout a facility.



## Benefits of Airscout Flow Meters

- Identify efficiency improvements
- Monitor system performance
- Leak management
- Air consumption cost allocation

# When You Measure, You Can Manage

The Airscout Flow Meter is a 3-in-1 tool that measures mass flow, temperature and pressure simultaneously. All of these parameters are critical to properly measure compressed air, establish baseline air flow and identify waste and energy use. With Airscout there are no assumptions—it provides real data that empowers managers to make money saving decisions.



## Energy Efficiency

The ratio between air demand and kW input is a key performance indicator to accurately measure system efficiency. By measuring demand-side air use and combining the results with kW measurements, Airscout Flow Meters help managers quantify energy consumption improvements.



## Leak Management

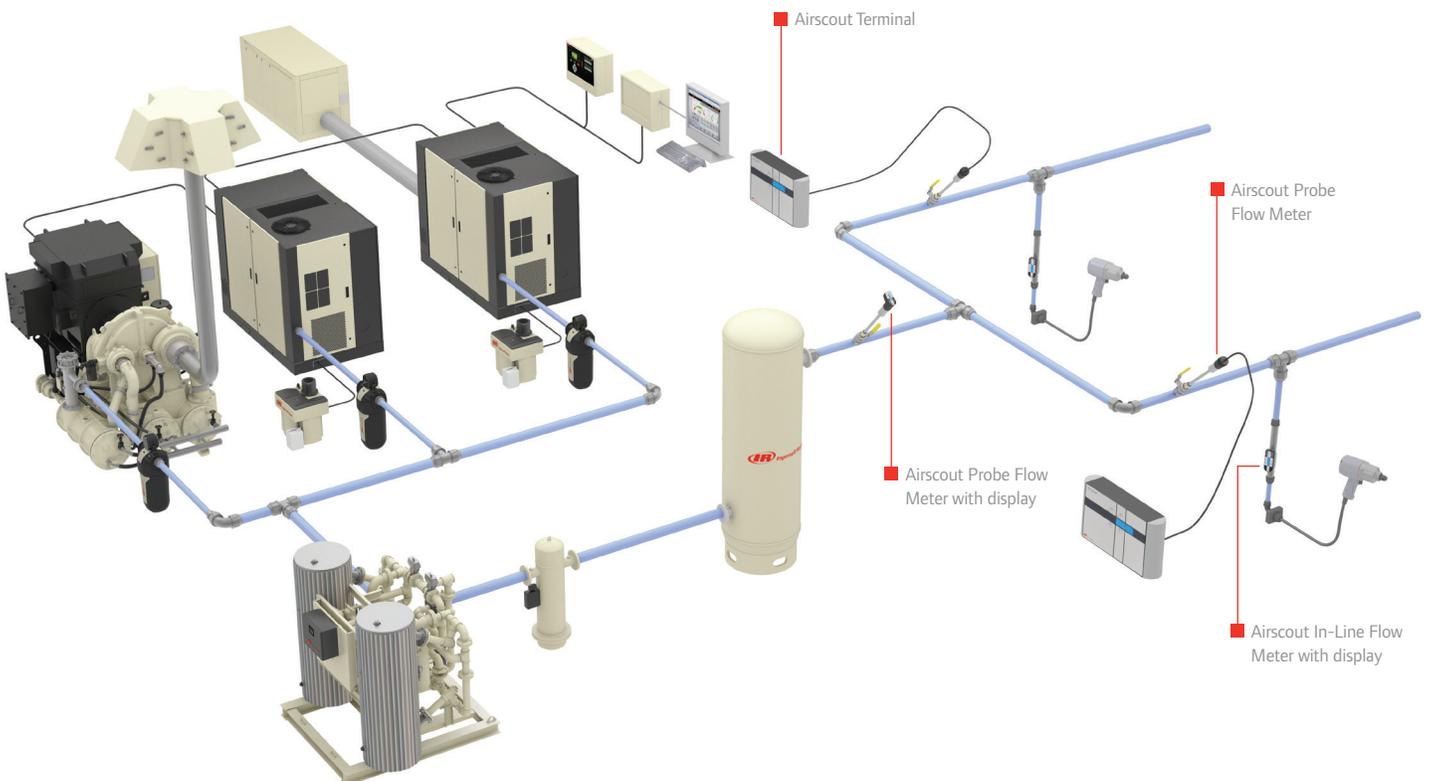
Airscout Flow Meters reveal leakages in real time so that they can be addressed immediately. In addition, by establishing a baseline for overall air consumption, managers can quantify results of any improvement.



## Cost Allocation

By using Airscout Flow Meters, managers can check where, when and how much air is being used, then allocate costs appropriately. Placing flow meters along the distribution points off of the main header pipe is an effective way of monitoring the demand side of a compressed air system.

# Precision Measurement Where You Need it



## Airscout In-Line Flow Meters

Airscout In-Line Flow Meters are designed for more permanent applications in piping sizes 2" or less (0.5", 1" and 2"). All in-line meters include inlet and outlet tubing with NPT connectivity to existing piping systems.

### Configuration Options

- In-Line module with display for point-of-use readout and data logging
- In-Line with no display, ideal for integration into a system controller, computer or Airscout Terminal\*



In-Line with display



In-Line without display

## Airscout Probe Flow Meters

The Airscout Probe is the ultimate tool for temporary assessments or for permanent installations and is ideal for compressed air piping sizes 2" and up.

### Configuration Options

- Probe with display module for point-of-use readout and data logging
- Probe with connector cap, ideal for integration with a system controller, computer or Airscout Terminal\*



Probe with display



Probe with connector cap

## Airscout Terminal

The Airscout Terminal is a remote display option that provides local readout on locations where the Airscout is placed in high or unreachable locations.

### Terminal Includes

- 5 m/16.4 ft communication cable
- Modbus to Ethernet converter
- Inputs for Airscout Probe or In-Line and up to 4 analog inputs
- Power cord



Airscout Terminal

\*M12 8-pin connector cap required for use with Airscout Terminal (must be ordered separately)

# Airscout Flow Meter Product Features

The Airscout Flow Meter combines an extremely large measurement range with integrated direction sensitivity. This patented feature enables you to measure in-loop networks, and systems with large air receivers. Previously, these situations were difficult to assess, but with Airscout, measurement is easy for any installation.

## Premier Measurement Capabilities

- 3-in-1 tool measures flow, pressure and temperature
- Standard bi-directional flow
- Displays include 2 million-point data logger

## Configurations for Any Installation

- Temporary assessments
- Permanent monitoring systems
- Pipe sizes 0.5" and larger
- Suited for rotary, centrifugal and reciprocating technologies

## Variety of Display Options

- Powerful data analysis software
- Multiple display options
- Built-in LCD display available
- Modbus RTU, 4-20 mA and pulse
- Connectivity to X-Series system controls



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