

MAQS™

MINE AIR QUALITY STATION



ENERGY SAVINGS



PRODUCTIVITY



HEALTH & SAFETY

The MAQS is an affordable and complete underground mine ventilation monitoring station. Monitor your working environments, integrate and communicate with remote devices, automate your ventilation process.

This flexible, low-cost instrumentation is designed to function with your existing monitoring software applications and communication infrastructure. Automate your underground mine processes, optimize ventilation, and improve health and safety all while reducing energy consumption.



A comprehensive ventilation monitoring station, the all-in-one instrumentation solution built for underground mines.

Today's mines require comprehensive systems to monitor and control their ventilation processes with the flexibility to interface with any application and communication structure. Implementation of VOD (Ventilation On Demand) or any level of ventilation automation while relying on accurate and reliable field data is a crucial element of mining operations.

Our Mine Air Quality Stations (MAQS), equipped with industry leading Accutron ultrasonic airflow sensors, offer all the features necessary with multiple communication options to meet the demands of your mine. From surface fan monitoring to complete environmental monitoring underground,

MAQS are simple to deploy and are the most cost effective and reliable solution in the industry.

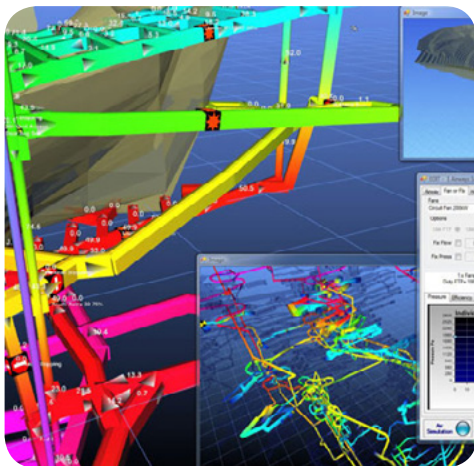
Monitor multiple variables with a single system

The MAQS gives maximum flexibility, simultaneous monitoring in addition to a variety of control and communication options

Easy installation. Simple operation.

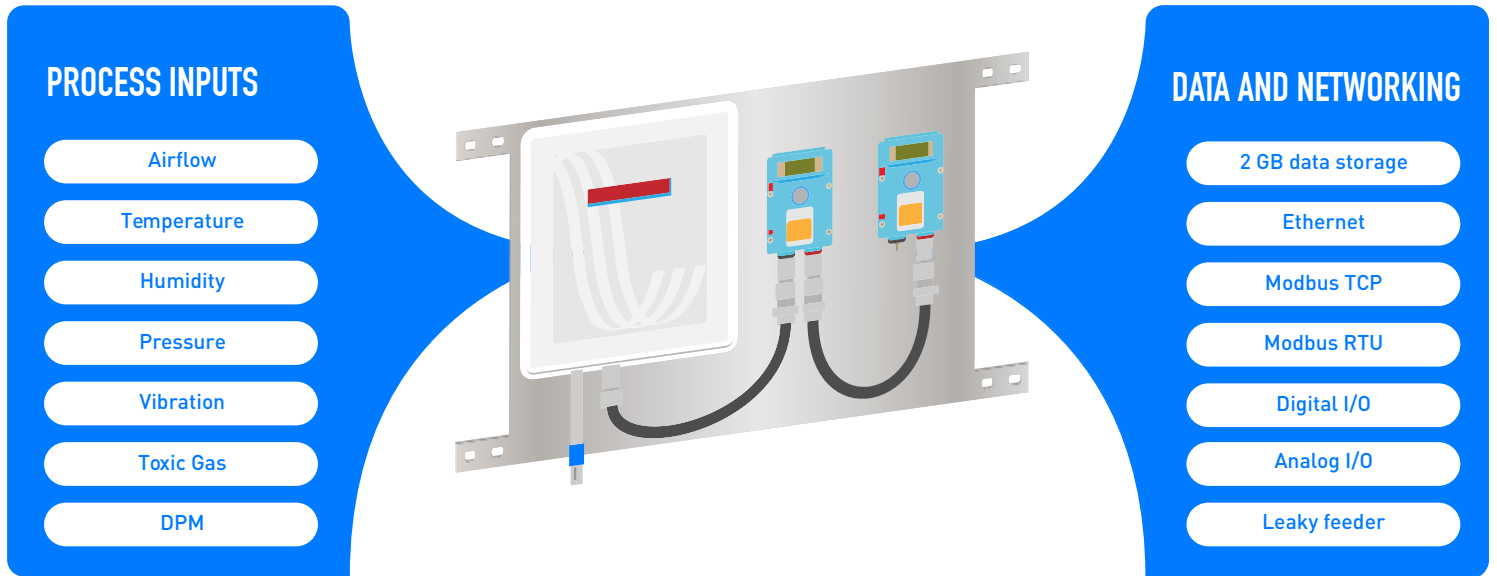
Accutron Instruments are shipped ready for use. Preconfigured with optional mounting plates and support brackets

REAL-TIME DATA ALLOWS YOU TO OPTIMIZE YOUR VENTILATION SYSTEM SIMULATION MODELS ALLOWING YOU TO INCREASE PROFITABILITY.

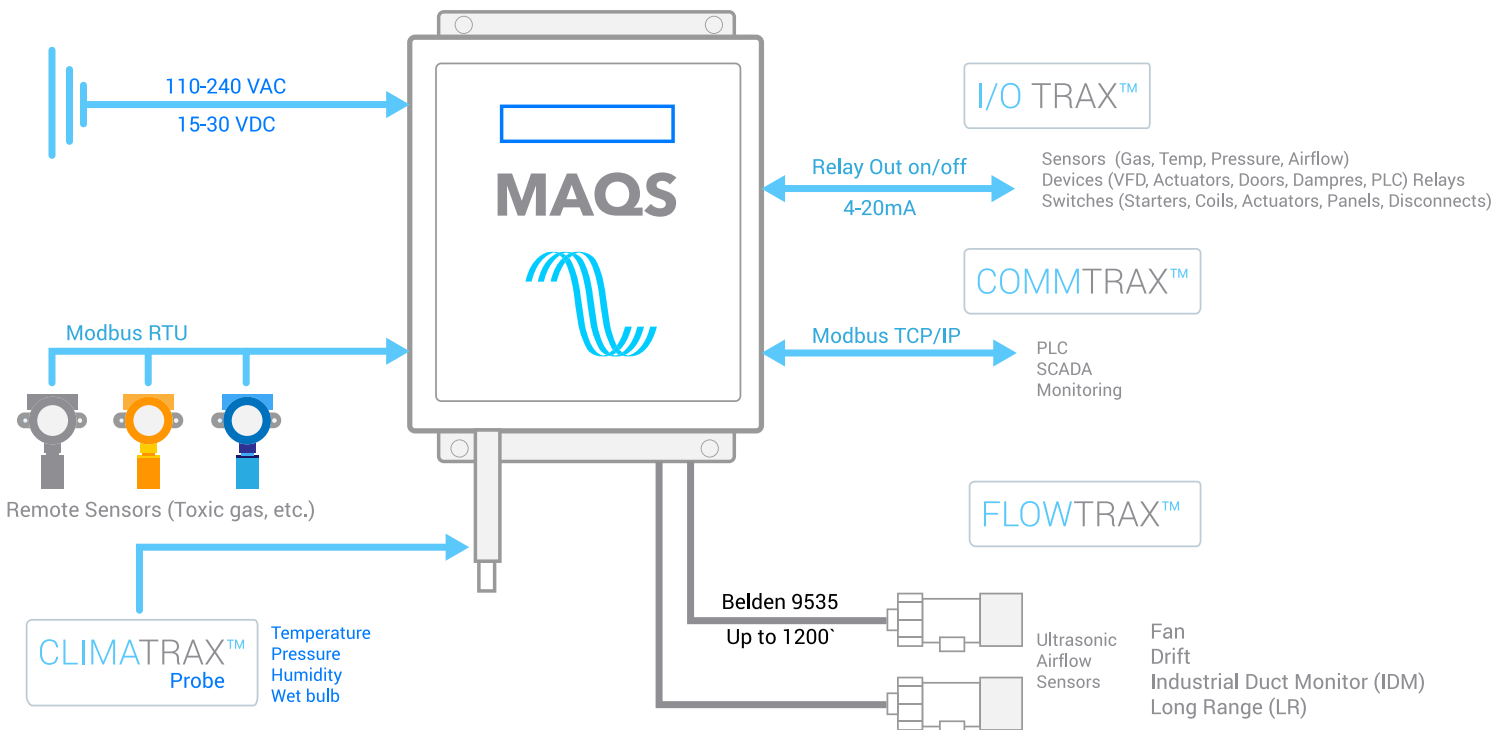


APPLICATION AND COMMUNICATION STRUCTURE

COMPLETE UNDERGROUND MINE VENTILATION MONITORING STATION.



MAQS CONFIGURATION



MINE AIR QUALITY AND VENTILATION MONITORING

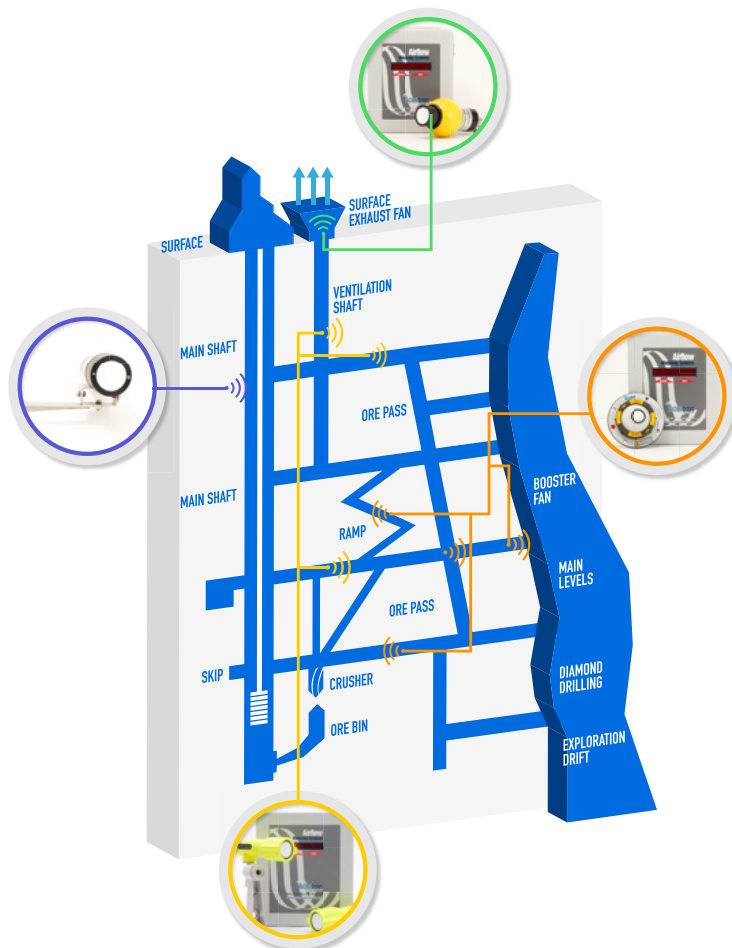
World leading ultrasonic airflows monitors

Four real-time "time of flight" models for complete mine airflow monitoring - Drift/ Tunnel / Raise / Surface fan / Industrial duct / Booster fan

ACCESSORIES

Our systems are supplied with multiple configuration options for a simple installation

- ☑ Pre-configured
- ☑ Cable set
- ☑ Stainless steel mounting plate
- ☑ Stainless steel, polycarbonate or aluminum sensor brackets
- ☑ Hand-held programmer



MAQS MODULES



FLOWTRAX™

Ultrasonic Airflow Sensor
Air velocity and volumetric flow in fans, ducts and tunnels



CLIMATRAX™

Multivariable Environmental Sensor.
Temperature, humidity, pressure, air density, heat stress and more



COMMTRAX™

Port Forwarding Protocol Translator
Link between your instruments and your **SCADA**
Modbus RTU to Modbus TCP with **2GB data storage**



IOTRAX™

Digital & Analog I/O module
Connect, monitor, control field-remote devices
Four digital and Analog inputs (4-20mA)
Two relay alarm outputs



☎ 705.682.0814
 ☎ 705.682.2215
 ✉ info@accutroninstruments.com
 🌐 www.accutroninstruments.com

