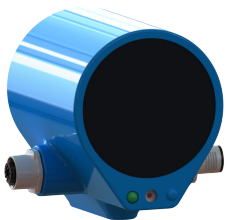


Pro Series

The future of Mine Ventilation Automation



FLOWTRAX PRO



Airflow Monitoring

CLIMATRAX



Climate Monitoring

GASTRAX



Gas Monitoring

PRO WEBBASED INTERFACE



Device Management

... And Much More

The Accutron Pro Series is the Future of Mine Ventilation Automation. Easily monitor airflow, temperature, pressure, humidity, toxic gas concentrations & more. Connect any other Modbus RTU devices to the Accutron Pro. Convert data to a variety of protocols for simple network integration.



The Accutron Pro combines the power of the FlowTrax with the versatility of the CommTrax, all in one small package.

EVERYTHING YOU NEED IN ONE BOX.

MODBUS RTU

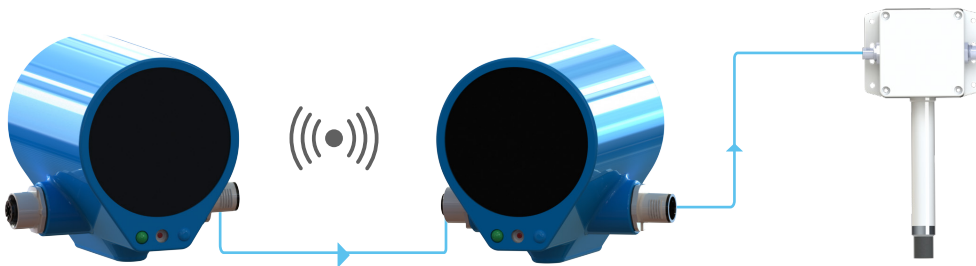
- Airflow
- Temperature
- Pressure
- Humidity
- Toxic Gas
- DPM
- Dust



OUTPUTS

- Relay Out
- 4-20 mA Out
- Modbus RTU
- Modbus TCP/IP
- Ethernet IP
- Pro Web Server
- WIFI & LTE

- ✓ Easily monitor a wide range of conditions.
- ✓ Convert data to a variety of protocols for simple network integration.
- ✓ Our new transducers are smaller in design & can now be daisy-chained.

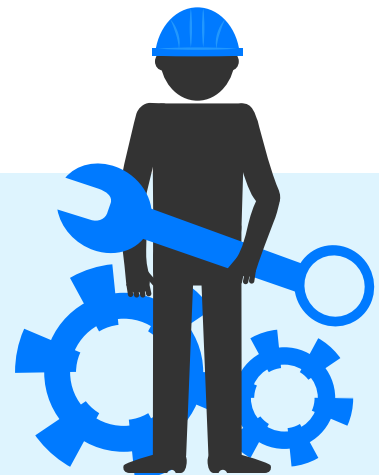


Our new FlowTrax series was designed from the ground up with the user in mind.

This complete refresh still offers the same capabilities as our previous FlowTrax.

DESIGNED FOR THE USER

Our Pro series uses a completely overhauled transducer design to make installation much easier. Our transducers provide more feedback to the system to let you know when faults occur. The system provides live alerts when a transducer is bumped out of alignment. The transducers also allow you to tap on them to activate the laser pointer to help with aligning the sensors during installation.



FROM THE SURFACE



The Pro Web based interface allows users to easily manage and configure your devices.

- ✓ Actively monitor your station. See real time velocity & mass flow outputs. Configure your dashboard to display the information you need, at a glance.
- ✓ Remotely run system diagnostics and check for errors.
- ✓ Download system data directly from the web server.
- ✓ Effortlessly map or re-map Modbus registers.
- ✓ Works with any mobile, laptop or desktop to effortlessly access the Pro webpages locally or from any network access point.



ENERGY SAVINGS



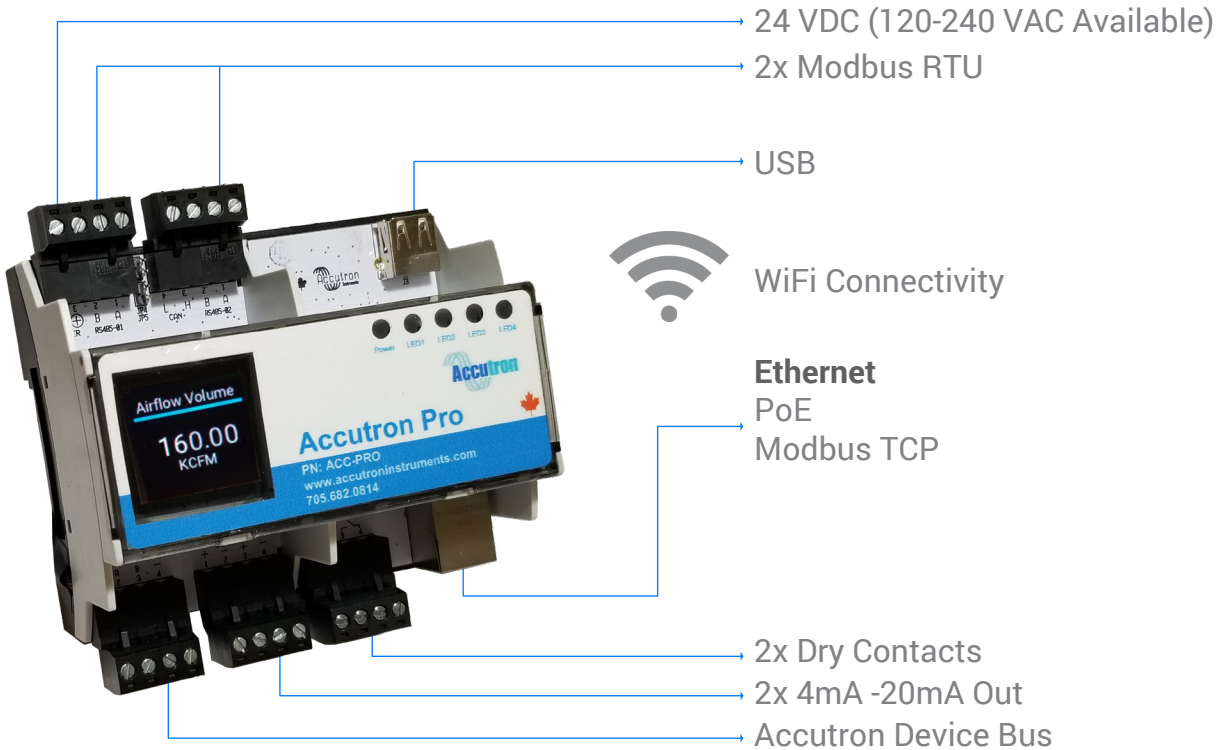
PRODUCTIVITY



HEALTH & SAFETY

I/O FEATURES

FlowTrax Pro Gen 1 offers both Modbus RTU and Modbus TCP out. It also has standard 4-20 mA out, 2 dry contact relays, and can function as a Modbus RTU Master.

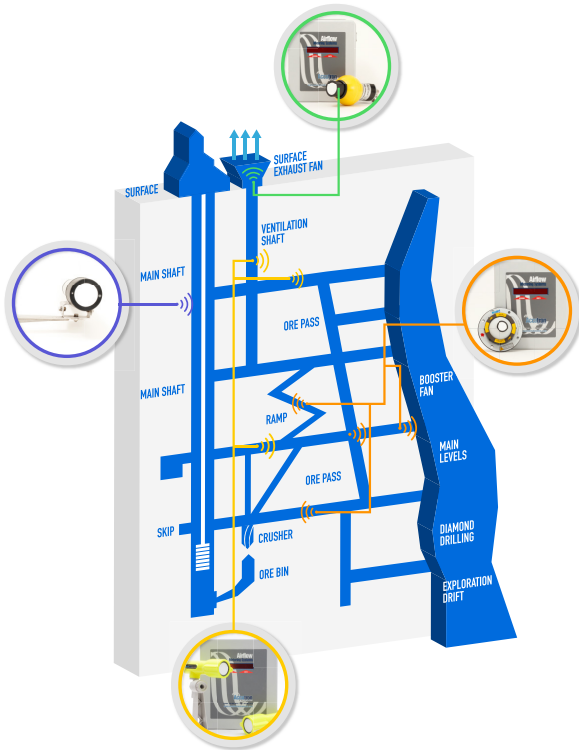


ALL NEW MAQS

Mine Air Quality Station

The Accutron MAQS has been our staple product since 1993. Combining reliability with innovation, our Pro Series offers a new take on our tried and proven system.

Our mine air quality station allows you to accurately and easily monitor the parameters you need to ensure your air quality is maintained. Fully customizable and modular, our engineers and technicians are happy to work with you to develop a custom solution to suit your needs.



WORLD LEADING ULTRASONIC AIRFLOW MONITORS

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

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

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



MAQS PRO MODULES

FlowTrax Pro ULTRASONIC AIRFLOW SENSOR

APPLICATIONS

Drift Sensors

Used for ramps, drifts, travel ways, shafts & raises.



Our new transducers are smaller in design and can now be daisy-chained.

Fan Sensor

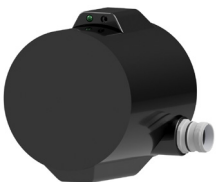
Used for surface intake and exhaust fans.



Stainless steel mounting plate designed for specific fan application with a ball and socket sensor assembly for easy alignment and quick installation.

Long Range

Used for tunneling & salt mines.



Designed to accurately measure airflow over long distance runs, wide tunnels, and large cross-sectional measuring areas.

GasTrax



Real-time measurements of Air Quality

Always know the Air Quality in your mine with our dual gas sensor designed for harsh environments.

- NO₂
- CO

ClimaTrax



Multi-variable Environmental Sensor

- Temperature (DB, WB)
- Humidity
- Pressure
- Air density
- Heat stress

IOTrax



Digital & Analog I/O module

Connect, monitor, control field-remote devices.

- Four digital and Analog inputs
- (4-20mA)
- Two relay alarm outputs

PRO SERIES SPECIFICATIONS

Transducers

Ranges	Measuring Range	Accuracy	Face to face Distance
Drift	-40 m/s to +40 m/s (no practical limit)	± 0.05 m/s	1 m min (3.3 ft) 18 m max (59 ft)
Ranges	Measuring Range	Accuracy	Face to face Distance
Fan	-40 m/s to +40 m/s (no practical limit)	± 0.05 m/s	1 m min (3.3 ft) 13 m max (42.6 ft)
Ranges	Measuring Range	Accuracy	Face to face Distance
IDM	-40 m/s to +40 m/s (no practical limit)	± 0.05 m/s	254mm min (10 in) 2438 mm max (96 in)

Transceiver

Electrical ratings	Interface	Power In
	Terminal Boards Power over Ethernet	20-40 DVC 48V IEEE 802.3af, Mode A&B Compatible

Communication Interface	Device Interface	Information
	RS485 (x2) Ethernet Accutron Device Bus 4-20 mA outputs (x2) Dry Contacts (x2) WiFi	Modbus RTU Modbus TCP, SNMP Airflow sensors, Temperature/humidity sensors, Display Non-loop powered (4 wire transmitter) 50V AC/DC. 1A Max Webserver, Access point

Physical	Enclosure	Display	Operating Temperature
	Non-corrosive IP66 NEMA 4X with lock hinges	128 x 128 pixel OLED Color-40°C to +80°C Display Optional 256 x 64 pixel single color display	

Memory

4 GB Micro SD Included
Supports 2 to 32 GB Micro SD Card



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