

[www.accutroninstruments.com](http://www.accutroninstruments.com)

# FLOWTRAX™

## LR-LONG RANGE ULTRASONIC AIRFLOW MONITOR



The leader in ultrasonic airflow technology providing highly accurate measurements for velocity, direction and volume of air movement in demanding mining environments.

FLOWTRAX gives you access to primary, auxiliary, drift and tunnel airflow monitoring.



Accurate reading at **long range**.

## FEATURES

- ✓ Ultrasonic time of flight technology in real-time with continuous monitoring
- ✓ Digital signal processing, Modbus RTU and analog 4-20 mA output.
- ✓ Advance detection of false readings and sensor obstructions caused by moving vehicles and personnel
- ✓ Robust design capable of operating under extreme temperature and harsh industrial conditions

## BENEFITS

- ✓ Robust, rugged, and non-corrosive design (not affected by temperature, humidity, pressure or dust)
- ✓ Simple installation - easy configuration and quick installation reduce project costs and start-up times
- ✓ **Maintenance free** - no moving parts and virtually no calibration
- ✓ Accurate, bi-directional readings, cross-sectional velocity averaging measurements, predominant to single point measurement
- ✓ Reliable, designed to perform in extreme noise and hi-velocity applications
- ✓ Versatile, pre-programmed with multiple configuration and application options

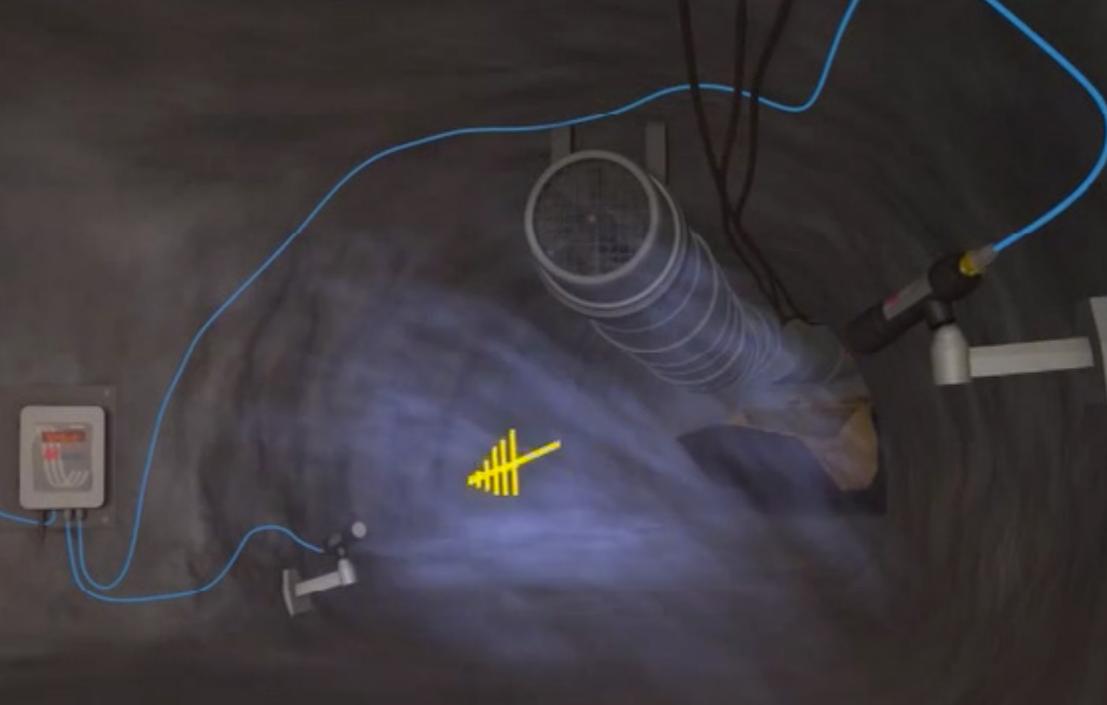
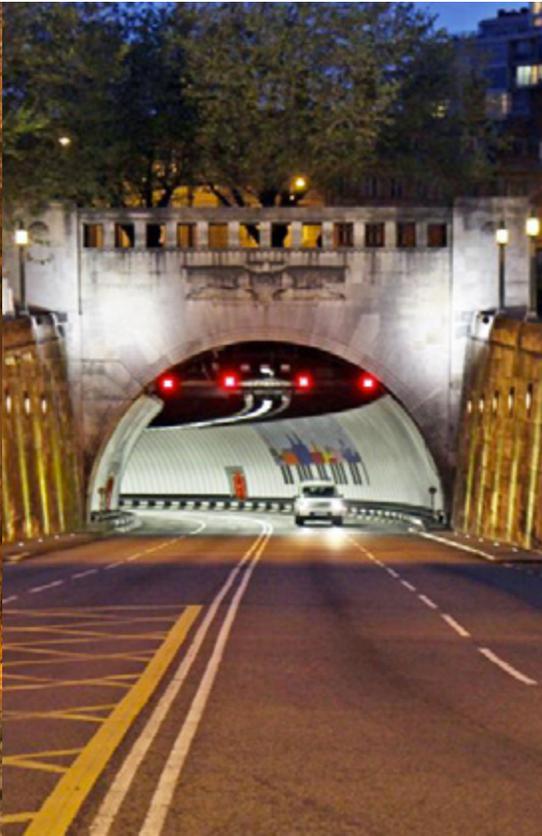


## LR SENSOR

Used in long range sensor applications, road tunnels, salt mines, room and pillar

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

# APPLICATIONS



YouTube

# OPERATION

The Accutron FlowTRAX Airflow Monitor is designed to measure airflow velocity and volume in a variety of mining and tunnel applications. This ultrasonic, time-of-flight instrument is designed to measure flow in underground tunnels in addition to primary and booster fan flow output.

# SPECIFICATIONS

<b>Process</b>	<b>Airflow</b>	<b>Volumetric Flow</b>	<b>Optional with ClimaTRAX probe</b>
Measuring Units	m/s, ft/min,	m <sup>3</sup> /s, cfm, kcfm	Temperature (°C, °F) Pressure (psi, mbar, kpal, in/H <sub>2</sub> O) Humidity (RH%) & 12 more parameters
<b>Ranges</b>	<b>Measuring Range</b>	<b>Accuracy</b>	<b>Face to face Distance</b>
Long Range	0 to < 40 m/s (no practical limit)	2% F/S or ± 0.05 m/s (whichever is greater)	20 ft min 120 ft max
<b>Electrical ratings</b>	<b>Power In</b>	<b>Power Consumption</b>	<b>Impedance</b>
	24 VDC 110-240 VAC	< 100 watts	700 Ω Max loop resistance
<b>Communication Interface</b>	<b>Serial</b>	<b>Analog outputs</b>	<b>Optional</b>
	Modbus RTU RS485	(1) 4-20 mA	Modbus TCP with CommTRAX, Ethernet IP*
<b>Physical</b>	<b>Enclosure</b>	<b>Operating Humidity</b>	<b>Operating Temperature</b>
	Non-corrosive IP66 NEMA 4X with lock hinges	0% to 90%RH	-40°C to 70°C



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

