

AMS VORTEX AIRFLOW TRANSMITTER

The AMS Vortex Airflow Transmitters utilizes a sensor designed and manufactured by Safdy Systems SA. This sensor has no moving parts and employs the Vortex Shedding principal of operation. These sensors are widely used in the underground mining industry and have an excellent track record for performance and reliability. They have an on-board 4...20mA output signal making them useable on a number of different telemetry systems.

The AMS Vortex Transmitter was developed specifically for the measurement of airflow in Mine Surface Fan Drifts. This is indeed a challenging environment with high velocities, elevated temperature and humidity and air contaminated by blasting fumes and diesel emissions.



FEATURES:

- High accuracy and repeatability
- Rapid response to changes in airflow
- Linear output providing quality graphs and trending
- Insensitive to dust and small water droplets
- Low maintenance as there are no moving parts
- Long life span due to solid state design and no moving parts
- Constructed from 304 Stainless Steel and Makrolon Polycarbonate which are highly resistant to chemical attack



SPECIFICATIONS:	
RANGE	0.5...15m/sec / 0.5...30m/sec DIL switch selectable
ACCURACY	+/- 2% of reading
POWER SUPPLY	7...24 V DC
POWER CONSUMPTION	5mA + loop current (4-20mA)
OUTPUT SIGNAL	4...20 mA, 3-wire
MATERIAL	Vortex Sensor Head...Injection moulded Makrolon Polycarbonate. Mounting accessories....304 Stainless Steel.
OPERATING CONDITIONS:	
TEMPERATURE	-5....+50°C
RELATIVE HUMIDITY	0.0...95.0% (non condensing)

