



AirScout™ - Model Number Matrix

More time at the Face.

Series = AirScout™ Flowmeter

1 = Airflow Arrangement Type

2 = Communications

3+ = Options (Extend matrix as required with the option codes)

AS = AirScout™ Flow meter;
Web Page Configurable;
ABS/Polycarbonate enclosure;
NEMA 4X / IP65 rated c/w SS
latches, hinges and wall mounting
brackets;
Universal power supply (24VDC, 120-
240 VAC, 50/60 Hz);
LED display & LED status lights;
Discovery Tool software

DR = Drift type airflow
installation; c/w sensor
junction box.

LR = Long range tunnel type
airflow installation; c/w sensor
junction box.

SD = Small duct mount airflow
installation (10" to 36" duct
sizes); c/w sensor junction box.

DM = Duct mount airflow
installation; c/w sensor
junction box.

PF = Primary or Booster fan
airflow installation; c/w sensor
junction box.

SM = Shaft or wall mount
airflow installation; c/w sensor
junction box.

NOTE 1: SEE AIRFLOW
ARRANGEMENT TYPES.

A = One analog 4-20 mA output signal
selectable for bidirectional velocity or
volumetric air flow (SI or Imperial units),
two freely programmable Form A relays for
air flow alarms, vehicle-in-path or
diagnostics.

MB = Modbus Ethernet TCP/IP or Modbus
RS485 digital communications, RJ45
connection; Registers provided for
bidirectional airflow (velocity or volumetric
air flow in SI or Imperial units) air
temperature, full system diagnostic
functions and one analog 4-20 mA and two
Form A relay Modbus outputs.

AB = Allen Bradley EtherNet/IP™ digital
communications, same registers as above

NR = Options not required.

SMyy = Single mode fiber optic, 10/100 Mbps connection
c/w J-Box.

MMyy = Multimode fiber optic, 10/100 Mbps connection
c/w J-Box.

NOTE 2: yy = FIBER CONNECTION TYPE. SEE FIBER OPTIC
OPTIONS.

BP = Bumper protection (one for each drift mounted airflow
system)

IM = System mounted on an aluminum checker plate, c/w
S.S. mounting hardware

EZN-E = Wireless Ethernet

EZN-LFV = Leaky Feeder, VHF Radio modem

EZN-LFU = Leaky Feeder, UHF Radio modem

NOTE 3: SEE EZ Node™ WIRELESS DETAILS.



Series

AS

Installation Type

1

Comms

2

Options

3+

Increase Safety and Productivity



Airflow sensor arrangement types

More time at the Face.



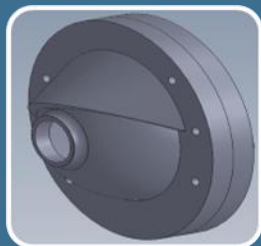
DR – Drift Mounting

- Includes two ultrasonic airflow sensors; two corrosion resistant nylon tilt and swivel mounting brackets; two mounting brackets with SS hardware; two sensor cord sets both 25 metres (82') & one junction box on an aluminum mounting plate
- Used for drift applications with a maximum width of 10 m (33 ft.)



LR – Long range Road Tunnel or Drift Mounting

- Includes two ultrasonic airflow sensors; two corrosion resistant nylon tilt and swivel mounting brackets; two mounting brackets with SS hardware; two sensor cord sets both 25 metres (82') & one junction box on an aluminum mounting plate
- Used for road or railway tunnels or large drift applications with a maximum width of 20 m (66 ft.)



SD – Small Duct Mounting

- Includes two ultrasonic airflow sensors; two corrosion resistant polyurethane adjustable, ball and socket mounting brackets & two gaskets for rigid duct installations from 10" to 36" (250 to 900 mm) diameters; two sensor cord sets both 25 metres (82')



Airflow sensor arrangement types

More time at the Face.



DM – Universal Duct Mounting

- Includes two ultrasonic airflow sensors; two flexible, gasket-less, corrosion resistant polyurethane mounting brackets for rigid duct installations from 36" to 60" (900 to 1500 mm) diameters; two sensor cord sets both 25 metres (82') & one junction box on an aluminum mounting plate



PF – Primary or Booster Fan (inlet cone) Mounting

- Includes two ultrasonic airflow sensors; two corrosion resistant polyurethane adjustable, ball & socket mounting brackets & two gaskets for the mounting to the inlet duct work of a primary fan; two sensor cord sets both 25 metres (82') & one junction box on an aluminum mounting plate
- NOTE: If the sensors are to be installed on the discharge side of the fan, the flow profile will need to be fully developed for all variable speed or variable pitch applications



Airflow sensor arrangement types

More time at the Face.



PFHP – High Powered Sensors for Primary Fans Mounting

- Includes two high powered ultrasonic airflow sensors; two corrosion resistant polyurethane adjustable, ball & socket mounting brackets & two gaskets for the mounting to the inlet duct work of a primary fan; two sensor cord sets both 25 metres (82') & one junction box on an aluminum mounting plate
- NOTE: If the sensors are to be installed on the discharge side of the fan, the flow profile will need to be fully developed for all variable speed or variable pitch



SM – Shaft or Wall Mounted

- Includes two ultrasonic airflow sensors; two corrosion resistant polyurethane adjustable, ball & socket mounting brackets & two heavy duty stainless steel enclosed frames; two sensor cord sets both 25 metres (82') & one junction box on an aluminum mounting plate



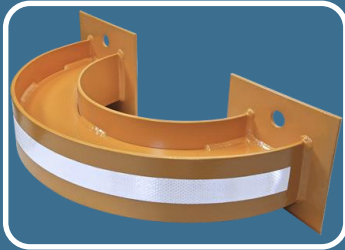
SMHP – High Powered Shaft or Wall Mounted Sensors

- Includes two high powered ultrasonic airflow sensors; two corrosion resistant polyurethane adjustable, ball & socket mounting brackets & two heavy duty stainless steel enclosed frames; two sensor cord sets both 25 metres (82') & one junction box on an aluminum mounting plate



Bumper protection & mounting options

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BP – Lower drift sensor bumper

- Heavy duty steel, painted alkyd safety orange with reflective tape. Bumper is to be installed slightly lower than sensor. The bumper will help protect the sensor from mobile equipment. 23 kg/50 lbs weight



IM – Integral Mounting Option

- System mounted on an aluminum checker plate, complete with Stainless Steel mounting hardware and carrying handles



RM – Remote Mounting Option

- Remote mounted gas sensors on aluminum checker plate with a junction box, VAQS is mounted on a 2nd checker plate, complete with Stainless Steel mounting hardware and carrying handles
- The remote gas sensor plate size is dependent on the number of gas sensors required. Maximum of six (6) gas sensors per single Vigilante AQS™.



Fiber Optic connection options

More time at the Face.



ST – Fiber Optic Connection

- This photo illustrates a ST fiber (ST = Straight Tip) cable that can be connected directly into a Maestro device using this option code.
- Normally used in multi-mode applications. The fiber connectors have a push and twist bayonet connector. The 2.5 mm ferrule diameter provides a robust design suited well for field applications.



SC – Fiber Optic Connection

- This photo illustrates a SC fiber (SC = Square Connector) cable that can be connected directly into a Maestro device using this option code.
- Single and multi-mode applications. A snap action push-pull connector. The 2.5 mm ferrule diameter provides a robust design suited well for field applications.



EZ Node™ Wireless Node - Model Number Matrix

More time at the Face.

Series = EZ Node™ Wireless Adapter

1 = Options



EZN = EZ Node™ Wireless Adapter
 The EZ Node™ Wireless Adapter allows any Maestro product to connect directly to a wireless network.
 Enclosure Specifications:
 NEMA 4X enclosure;
 ABS construction;
 Heavy duty aluminum back plate with stainless steel hardware.

E = Ethernet, IEEE 802.11b/g compliant, 2.4 GHz Wireless radio, PoE (Power over Ethernet), 1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface, FCC Part 15.247, IC RS210 & CE Wireless approvals, RoHS Compliance c/w 3 dBi Omni-directional antenna, waterproof RJ45 connector and one 24 VDC power injector to be installed in any Ethernet based Maestro product, discovery tool, The EZ Node™ is configured through a simple web browser and requires no additional software.
LFV = Leaky Feeder, VHF Radio modem, 148 – 174 MHz, c/w unity gain stub VHF antenna, (Customer to provide upstream and downstream frequencies with order).
LFU = Leaky Feeder, UHF Radio modem, 450 – 480 MHz, c/w unity gain stub UHF antenna, (Customer to provide upstream and downstream frequencies with order).
NOTE 1: Leaky Feeder applications will require the Vigilante AQS™, AirScout™, GasMon™, EthernetI/O™ or SuperBrite™ Marquee Display to be configured with RS485 as the physical layer.
NOTE 2: Leaky Feeder applications will require a EZ Base™ Leaky Feeder Head End chassis and Protocol Converters..



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