More time at the Face.

Series = AirScout™ Flowmeter

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); CE Compliant LED display & LED status lights; CE Compliant Discovery Tool software

1 = Airflow Arrangement Type

DR = Universal drift, tunnel, heater house or shaft type airflow installation; c/w sensors, cables & junction box.

LR = Long range tunnel type airflow installation; c/w sensors, cables & junction box.

DM = Duct mount airflow installation; c/w sensors, cables & junction box.

PF = Primary or Booster fan airflow installation; c/w sensors, cables & junction box.

NOTE 1: SEE AIRFLOW ARRANGEMENT TYPES.

2 = Communications

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 From A relay Modbus outputs.

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

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

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	Installation Type	Comms	Options
AS	1	2	3+

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DR – Universal airflow sensor mounting

- Universal airflow sensor mounting for drift, tunnel, heater house and shaft mounting installations for applications with a maximum width of 10 m (33 ft.)
- Includes two ultrasonic airflow sensors; two mounting brackets; two mounting brackets; two sensor cord sets both 25 metres (82') & one junction box on an aluminum mounting plate
- Heavy duty 316L Stainless Steel tilt and swivel mounting bracket with 18-8 SS hardware. Built in 1/2" (13 mm) mounting holes.

LR – Long range tunnel or drift airflow sensor mounting

- Long range airflow sensor mounting for wide drift or tunnel installations normally found in potash or salt mines and road or railway tunnels with a maximum width of 20 m (66 ft.)
- Includes two ultrasonic airflow sensors; two mounting brackets; two mounting brackets; two sensor cord sets both 25 metres (82') & one junction box on an aluminum mounting plate
- Heavy duty 316L Stainless Steel tilt and swivel mounting bracket with 18-8 SS hardware. Built in 1/2" (13 mm) mounting holes.

Airflow sensor arrangement types

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

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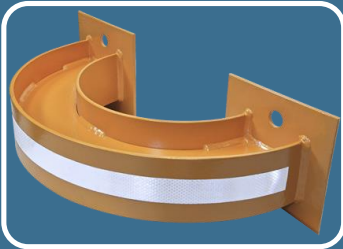
BP – Lower drift sensor bumper

- 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. 16 kg/35 lbs weight
- *** TOTAL SHIPMENT WEIGHT AND DIMENSIONS INCLUDING PACKAGING IS 45 LBS - 16" X 30" X 10" (20.5 KG - 406 mm X 762 mm X 254 mm)

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 if dependent on the number of gas sensors required. Maximum of six (6) gas sensors per single Vigilante AQS™.

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Series = EZ Node™ Wireless Adapter

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.

1 = Options

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).
<u>**NOTE 1:**</u> Leaky Feeder applications will require the Vigilante AQS™, Zephyr AQS™, AirScout™, GasMon™, EthernetI/O™ or SuperBrite™ Marquee Display to be configured with RS485 as the physical layer.
<u>**NOTE 2:**</u> Leaky Feeder applications will require a EZ Base™ Leaky Feeder Head End chassis and Protocol Converters..

Series	Options
EZN	1

Increase Safety and Productivity