ECMv2:
Environment Corrosivity Monitor

PureAIR FILTRATION

PureAir's Environment Corrosivity Monitor (ECMv2) continuously detects and measures corrosion in real time using copper and silver sensors. Engineered to minimize operational costs, the monitor helps prevent equipment failure and premature equipment replacement, reducing capital expenses. By delivering live critical air quality data, the ECMv2 monitor enables customers to maintain optimal conditions for both staff and equipment.

SPECIFICATIONS

Measured Parameters	
Copper/Silver Corrosion:	0-4,000 Angstrom nominal life span
ISA Classification:	G1 - GX
Temperature:	0° C to +50° C +32° F to +122° F
Relative Humidity:	10 - 95% RH
Room Pressure:	0 - 50 Pa 0 - .20 IWC

Benefits
- Real-time corrosivity monitoring
- Early corrosion detection
- Anticipates costly downtime events
- Long service life
- SD card for data storage
- Connects to varied systems for data capture

Features
- LCD display showing corrosion levels and rate for each channel
- ECMv2 is housed in an IP 41 enclosure by default but can be upgraded to an IP 54 enclosure for enhanced protection
- Alarms for humidity, temperature, and room loss differential
- Pressure LED indicator for ISA environment classification

Inputs and Outputs
- Power input: 24 V D or 24 V PoE
- Optional 120 V and 230 V single phase wall adapters

Data Connections
- 4 - 20 mA
- Modbus over Ethernet
- WiFi
- Data logging via exportable CSV file

Sensors
- One copper and one silver included
- Replacements are affordable and available in sets

Notable Customers:
- City of Sydney
- Data Clean Asia
- EMBA Power
- Exxon Mobil
- GETCO
- Hewlett-Packard
- Meezan Bank
- Shanghai Library
- WestRock
- ZAO International Paper

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