

Aerospec

Product & Technology - Hardware & Software

WORLD'S FIRST AUTOMATED FTIR


AIRMon Series 3

The Aerosol InfraRed Monitor (AIRMon) is the world's first automated and autonomous FTIR for PM chemical analysis. It provides continuous, near-real-time quantification of inorganic and organic components.

Target Analytes

- Sulphate (SO₄)
- Nitrate (NO₃)
- Ammonium (NH₄)
- Alcohols (COH)
- Alkanes (CH)
- Amines (NH)
- Non-acid Carbonyls
- Carboxylic acids

Technical Specifications

 DIMENSIONS
110 x 76 x 120 cm

 WEIGHT
180 kg

 POWER
220V / 110V AC

 OPERATING TEMP
0°C to +45°C

 Enclosure: Ruggedized for ambient deployments

 Flow Rate: 1.75 LPM (internally controlled)

 Detection Limits (1h): ~0.2 µg/m³



Live AIRMon Data

REAL-TIME ANALYSIS (MG/M³)

ONLINE

 Chemical Composition

 Source Apportionment

