

# ACM 150 SPECIFICATIONS

## Centralized Gas Monitoring System



Performance Specifications	
<b>Analysis Method</b>	Continuous scan FT-IR (Fourier Transform Infrared) analyzer
<b>Gas Cell Path</b>	5.0 m path length
<b>Gases Monitored*</b>	Organic, PFC, CFC, HFC, Metal Organic, NF <sub>3</sub> and a wide variety of other inorganic gases
<b>Lower Detection Limit* (LDL)</b>	0.1 to 2.0 ppm (gas dependant)
<b>Scanning Rate</b>	≤15 sec per point
<b>Sample Point Capacity</b>	Available in 10, 20, 30 or 40 point configurations Composite sampling up to 4 points
<b>Data Archiving (default)</b>	30 days for all spectra 90 days for alarms
<b>Applicable Standards</b>	EN 50270, EN 61010, UL 61010
<b>Installation</b>	Indoor only
<b>Altitude</b>	Up to 6,562 ft (2,000 m)
<b>Temperature Range</b>	41° to 86°F (5° to 30°C)
<b>Relative Humidity</b>	80% at temperatures up to 88°F (31°C)
<b>Main Supply Voltage</b>	±10% of the nominal voltage
<b>Overvoltage</b>	Category II
<b>Pollution Degree</b>	2
<b>Ingress Protection</b>	IP 20
Facilities Requirements	
<b>Sample Line Tubing</b>	0.25 in ID x 0.375 in OD, PTFE (Polypropylene alternate)
<b>Sample Line Inlet</b>	0.375 in Swagelok® connector
<b>Power In</b>	230 VAC, 10 A or 115 VAC, 20 A
<b>Purge Gas, N<sub>2</sub></b>	5 to 10 psi, 10 l/min
<b>Venturi Requirements</b>	90 to 120 psi, 320 l/min
<b>Exhaust</b>	1.5 in NPT, 15 cfm
<b>Overall Dimensions (HxWxD)</b>	66 x 34 x 25 in (1,676 x 864 x 635 mm)
<b>Operating Weight</b>	770 lbs (349 kg)
<b>Shipping Weight</b>	1036 lbs (470 kg)
Interface and Communications	
<b>Interfaces</b>	Touch screen user friendly interface Remote access via web browser
<b>Relay Outputs Contacts</b>	80 x DPDT (double-pole double-throw), programmable by sample point and gas type
<b>Max. Ratings</b>	30 VDC, 2 A
<b>Optional Communications</b>	Lonworks®, ControlNet™, Modbus®, Profibus® OPC drivers Others on request
Options	
<b>Pump system</b>	Venturi and electric back up pump Dual pump (electric)
<b>Line leak</b>	Line leak option with check valves

\*Note: Refer to ACM 150/ACM 100 Gas List.

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