

**Ribble Enviro**  
*...everything gas detection*

# Data Sheet

[sales@ribble-enviro.co.uk](mailto:sales@ribble-enviro.co.uk)

+44(0)1200 445 804

[ribble-enviro.co.uk](http://ribble-enviro.co.uk)

Unit 4, Business Park, Gisburn, Clitheroe BB7 4JP

Company No: 06140589 VAT No: GB 906 6241 34

# 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.

### Find out more

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

Toll-free: 800.538.0363

### Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.