Honeywell

ACM 150 SPECIFICATIONS

Centralized Gas Monitoring System

Performance Specifications	
Analysis Method	Continuous scan FT-IR (Fourier Transform Infrared) analyzer
Gas Cell Path	5.0 m path length
Gases Monitored*	Organic, PFC, CFC, HFC, Metal Organic, NF_3 and a wide variety of other inorganic gases
Lower Detection Limit* (LDL)	0.1 to 2.0 ppm (gas dependant)
Scanning Rate	≤15 sec per point
Sample Point Capacity	Available in 10, 20, 30 or 40 point configurations Composite sampling up to 4 points
Data Archiving (default)	30 days for all spectra 90 days for alarms
Applicable Standards	EN 50270, EN 61010, UL 61010
Installation	Indoor only
Altitude	Up to 6,562 ft (2,000 m)
Temperature Range	41° to 86°F (5° to 30°C)
Relative Humidity	80% at temperatures up to 88°F (31°C)
Main Supply Voltage	±10% of the nominal voltage
Overvoltage	Category II
Pollution Degree	2
Ingress Protection	IP 20
Facilities Requirements	
Sample Line Tubing	0.25 in ID x 0.375 in OD, PTFE (Polypropylene alternate)
Sample Line Inlet	0.375 in Swagelok® connector
Power In	230 VAC, 10 A or 115 VAC, 20 A
Purge Gas, N_2	5 to 10 psi, 10 l/min
Venturi Requirements	90 to 120 psi, 320 l/min
Exhaust	1.5 in NPT, 15 cfm
Overall Dimensions (HxWxD)	66 x 34 x 25 in (1,676 x 864 x 635 mm)
Operating Weight	770 lbs (349 kg)
Shipping Weight	1036 lbs (470 kg)
Interface and Communications	
Interfaces	Touch screen user friendly interface Remote access via web browser
Relay Outputs Contacts	80 x DPDT (double-pole double-thow), programmable by sample point and gas type
Max. Ratings	30 VDC, 2 A
Optional Communications	Lonworks®, ControlNet™, Modbus®, Profibus® OPC drivers Others on request
Options	
Pump system	Venturi and electric back up pump Dual pump (electric)
Line leak	Line leak option with check valves

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