



**REDUCE PROJECT
COMPLEXITY AND
OPERATION COSTS
WITH HONEYWELL
PRE-ENGINEERED
SYSTEMS**

Honeywell

HONEYWELL SYSTEM INTEGRATION SERVICES

With over 30 years of design expertise, our project experts know techniques and technologies that can help transform project execution, reduce complexity, decrease costs, and minimize late project changes. Traditional fire and gas system integrators and component suppliers do not always have expertise in the semiconductor industry because it is not their focus. Our system integration personnel are dedicated to constructing, testing, and integrating Honeywell technologies into comprehensive solutions and specialize in gas monitoring systems for semiconductor manufacturing and research and development.

OUR STAFF DELIVERS:

- Project management execution
- System design and integration
- Procurement
- Site assessment
- Factory Acceptance Test (FAT)
- Site Acceptance Test (SAT)
- On-site and remote system and device configurations
- Factory and on-site training
- PLC and HMI programming



ELIMINATE COSTS WITH PRE-ENGINEERED SYSTEMS

Despite the widespread use of industry consensus standards for communication and gas monitoring systems, components from multiple vendors may not be wholly compatible. Testing and troubleshooting are time consuming and can lead to project delays. At Honeywell, our pre-engineered systems take the guesswork out of integrating field devices, controls, and human machine interfaces into a complete gas monitoring solution.



TABLE 1. COMPARISON OF FEATURES AND DEVICE COMPATIBILITY WITH HONEYWELL GAS MONITORING SYSTEMS

	SPECTRUM LITE	SPECTRUM PRO	SPECTRUM PRO+
CONTROLLER			
Gas point count (max)	16	320	1,600
Digital inputs (max)	16	128	800
Relay outputs (max)	16	320	1,6000
Supported protocols	Modbus RTU, Modbus TCP/IP	Modbus RTU, Modbus TCP/IP, OPC	Modbus RTU, Modbus TCP/IP, OPC
COMMUNICAITON			
Web access	●	●	●
Text and email notification	●	●	●
Visualization of plot plan		●	●
Remote programming support		●	●
SUPPORTED DEVICES			
Midas	●	●	●
Midas-M	●	●	●
XNX	●	●	●
XCD	●	●	●
SPM Flex	●	●	●
Vertex		●	●
Vertex-M		●	●
ACM		●	●
RAE Guard 2 PID	●	●	●
Non-Honeywell detector (4 - 20 mA)	●	●	●

New supported Honeywell field devices are added periodically to the table.

IMPROVE SYSTEM AVAILABILITY WITH REMOTE SOFTWARE MAINTENANCE

Honeywell software updates, configuration, functional tests, and certain diagnostics can be managed remotely, improving asset utilization. Remote operations may reduce over \$20,000 per year in maintenance expenses.

Remote maintenance may be performed periodically as part of a plantwide maintenance program or on demand. Additionally, onsite equipment maintenance may be triggered by automated email notifications when sensor cartridges, pumps, and other components are due for replacement. End users that establish remote maintenance with Honeywell report the functionality enables them to be more productive and increase the resiliency of their systems.

- Reduce commissioning and programming cost associated with travel time and expenses
- Reduce turnaround schedule for device commissioning and programming
- Obtain information on device health and alarm and maintenance events in real time
- Remotely analyze alarm events and trends on gas concentration and generate reports on evolution of events
- Configure system to generate email notifications in case of alarm or system event

PARTNER WITH THE EXPERTS

Honeywell has been engineering standardized gas monitoring systems and customized solutions for 25 years. With hundreds of installations worldwide, we have the experience and capabilities to adapt systems to a whole host of applications at our system integration facilities.

CONTACT HONEYWELL GAS ANALYSIS AND SAFETY FOR YOUR PROJECT

For support with designing and planning of high-tech gas systems please call or write Honeywell Sensing and Safety Technologies for your next project. Be confident with Honeywell pre-engineered systems.

FOR MORE INFORMATION

Honeywell Sensing and Safety Technologies services its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, and pricing of gas monitoring systems, please write to isg.support@honeywell.com. For general application assistance and pricing of high-tech products, please visit sps.honeywell.com or call:

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FUTURE
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WHAT
WE
MAKE IT

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