



MSA Custom Products Solutions



Individually designed gas detection solutions to fit your application.

Special solutions sometimes require greater versatility and unique equipment configurations. MSA's Custom Products group offers individually designed solutions for customer monitoring, control and data acquisition applications. Our custom gas detection and flow systems are built to customer specifications and combine the advantages of various MSA instruments and sensors with our electrical and mechanical engineering expertise.

Our design flexibility allows MSA Custom Products to meet virtually any gas monitoring need, as each custom system is individually designed to provide the very best solution to unique application requirements. MSA Custom Products provide customers with a distinctive combination of solutions, expertise and timeliness.

Expertise and experience in custom product design for over 90 years

- MSA engineers, manufactures, services and repairs all of our instruments and sensors

- Gas detection and flow systems meet ISO 9001 quality assurance requirement

Timeliness and faster manufacturing turnaround

- Efficient and timely quotation and manufacturing process
- Integrated custom systems use both standard components and custom features

MSA Custom Products develops custom systems for customers in industries globally. Our sales representatives can assess your monitoring needs and are factory-trained in the application and use of all MSA instrumentation. MSA also supports customers with a comprehensive repair and service organization. Contact your local MSA sales representative for a custom solution for your specific application.

How the custom product process works

- Customer requirements are defined; team-based process includes sales representatives, engineers, and manufacturing personnel
- Review performed by MSA professional sales or custom products engineer
- Quotation is issued, complete with drawing package and other documentation as needed

Past MSA custom product designs

- Rack-mounted gas monitoring systems
- Multi-point sequencing monitoring systems
- Process monitoring systems
- Networked sensor systems
- Facility management monitoring systems
- Customer-defined packaging solutions
- Shipboard rugged systems
- OEM packaging and labeling



Sensing techniques for combustible gases, toxic gases and oxygen levels

- Electrochemical
- Catalytic bead
- Solid state
- Surface acoustic wave
- Photoacoustic and non-dispersive infrared technologies
- Photoionization
- Thermal conductivity



Additional custom product features and options

- Automatic time-weighted averaging
- Custom enclosures
- Data acquisition and control
- Emissions monitoring
- Flow panels
- Custom signaling
- Gas sensor auto-standardization
- Intrinsically safe multi-point sampling
- Multiplexed sensors
- Non-intrusively calibrated sensors
- Process analysis and control
- Productivity tracking
- Record keeping
- Report generation
- Sequencing systems
- Toxic gas trending
- Total hydrocarbon detection
- Low- and sub-ppm analyzers

Applications

General Industries - Shipboard - Refineries - Paper & Pulp Mills - Refrigeration - Manufacturing - Confined Spaces - Chemicals - Wastewater Treatment - Steel Mills - Stack Vents - Pipelines - Mining - Parking Garages - Indoor Air Quality - Engine Test Facilities - Heat Treating - Hvac - Food Processing – Homeland Security

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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