

# AMETEK<sup>®</sup>

## PROCESS INSTRUMENTS

### INTEGRATED ANALYTICAL SOLUTIONS FOR CHALLENGING SAMPLE SITUATIONS

Accurate measurements from expert  
systems to improve efficiency, safety  
and reduce emissions



Find the right solution for your sample measurement

[ametekpi.com](http://ametekpi.com)

## OUR EXPERTISE ENSURES YOU MEET YOUR ANALYSIS GOALS

Most sample measurement failures in online industrial applications are caused by improper sample handling prior to the process analyzer.

To ensure effective analysis and reporting, all samples must be:

- **Representative of the process stream**
- **Maintained as either gas or liquid (but not both)**
- **Free of particulates**
- **Consistent in pressure and temperature throughout the analysis process**

When sample extraction, conditioning, and handling fails to meet any of these criteria, analysis failures can occur. Users are no longer able to properly operate their production

processes, leading to increased safety risks, higher emissions of regulated components and a decrease in operating efficiency – money and time are being wasted.

### AMETEK EXPERIENCE

With more than 40 years of experience, AMETEK Process Instruments is an expert in making the successful measurements at complex sample points that other technologies and suppliers can't achieve.

Our modern integrated solutions deliver accurate, reliable analyzer performance, developed to ensure maximum measurement uptime and minimal maintenance time.

These are accompanied by appropriate sample conditioning and handling systems, as well as shelters and cabinets that provide appropriate protection from harsh environments.

### FULLY INTEGRATED ANALYSIS

We provide sample probes, sample handling systems and integrated shelters to end users around the world, with brands and models that have become synonymous with accurate and robust field measurements – including the 888 and 900 series of SRU analyzers, the IPS-4 combination UV & IR analyzer, Dycor mass spectrometers, the 5100 series of TDLAS analyzers, ThermoX combustion analyzers, and the 3050 moisture analyzer series.

These system solutions have been installed in diverse climates ranging from the arctic to the desert and tropics, ensuring continuous operation, whatever the environmental challenge. Whether you need a panel-mounted system, three-sided shelter, external cabinet, or environmentally controlled walk-in shelter, we have the expertise to deliver.

Handling complex sample gas mixtures for decades, we developed the first “off the shelf” solutions in sulfur and corrosives plants to ensure successful analyzer performance.

### AMETEK EXPERTISE

Today, our solutions are installed at numerous locations including pipelines, refineries, petrochemical plants, ammonia plants, acid plants, and sulfur plants, with custom-designed hardware that meets specific handling requirements. User-requested third-party hardware can also be integrated.

We know when to utilize a blowback, provide high levels of heat, or incorporate a chiller, integrating them into a smart system that can be remotely accessed and monitored.

Our aim is to provide a solution that returns maximum uptime with minimal downtime and maintenance requirements.



You need information that drives decision-making or confirms a product meets contract requirements.

We've already helped thousands of users achieve their goals – contact your local AMETEK Process Instruments sales partner and let us help you.



Some of the custom-built shelter and cabinet systems created by AMETEK Process Instruments

### KEY BENEFITS

- Decades of experience in sample handling and enclosure fabrication
- Ability to correctly handle corrosive samples
- Systems are designed to avoid plugging and can remove troublesome components without sacrificing measurement integrity
- Extensive experience with various communication protocols
- Knowledge of most hazardous area requirements

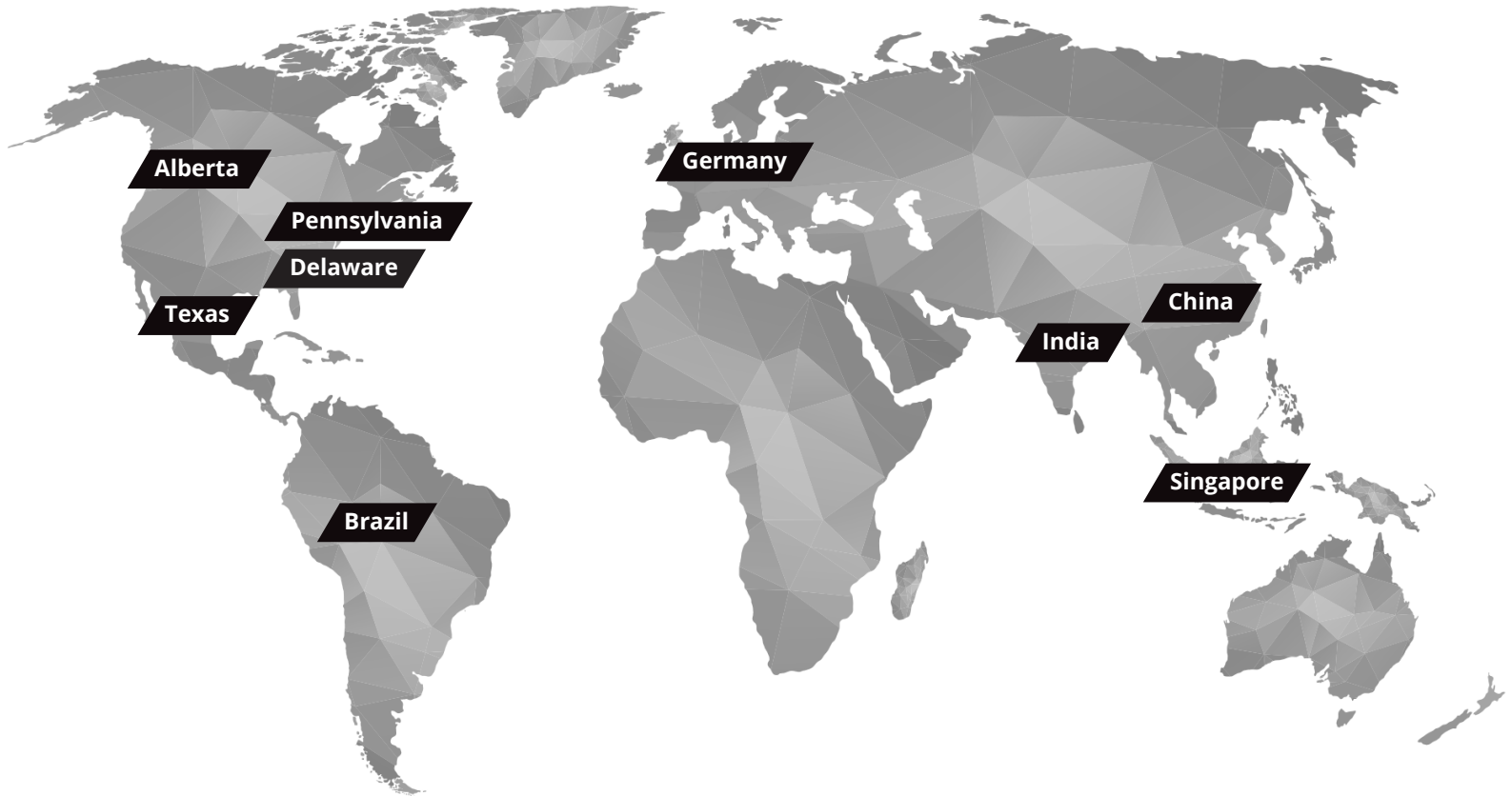
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**AMETEK Process Instruments** delivers worldwide sales and service support through a network of direct and factory-trained global distribution channels.

AMETEK Service Assistance Program plans offer coverage up to 24 hours a day, 365 days of the year.

As worldwide experts in the manufacture of process analyzers and instrumentation, we have supplied solutions to industry since 1962, providing the widest range of analysis technology available.

Through process application consulting, we create custom-designed solutions that meet the needs of your specific application or process.



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