Advanced controls and instrumentation apply state-of-the-art technology that can enhance your capabilities and make running and maintaining your equipment easier and more cost effective. From operation flexibility to measurement and results analysis, advanced controls deliver the ideal process measurement, operation and, ultimately, ideal performance.

**Hygrometer – for ultimate moisture monitoring**

Ipsen’s hygrometer upgrade is designed to give users the ability to monitor the moisture content in the process gas. Its rugged design allows the flexibility to operate and monitor under many conditions. The hygrometer is mounted in an enclosure near the furnace backfill inlet to ensure that the system receives an accurate sample.

Features of Ipsen’s hygrometer upgrade include:

- Durable, panel-mounted hygrometer
- Easy-to-read digital display
- Comprehensive alarm with up to three alarm set points
- Precise open sensor alarm
- NIST calibration certification

**Vacuum Gauge – for repeatable results, every time**

Ipsen’s vacuum gauge upgrade provides customers a high-quality vacuum gauge designed for accurate and repeatable measurement. As the demand for more stringent industry specifications grows, heat treaters must adjust in order to stay compliant, but, in general, the trend towards more precise measurement and control is increasing even outside these specifications and regulations.

Our vacuum gauge upgrade delivers many features that benefit the end user including:

- Modular design for future expansion
- Easy integration into existing control system
- NIST calibration certification
- Pre-configured settings for accuracy
**Instrumentation Upgrades**

**Electronic Data Recorder – for enhanced data flexibility**

Ipsen’s electronic data recorder upgrade is a fully equipped digital recorder package that provides the end user with the flexibility and scalability of recording the most critical processes data. This upgrade is capable of meeting the requirements for several industry specifications, including Nadcap and AMS 2750E.

The digital recorder upgrade has many features that benefit the end user including:

- Real-time data acquisition
- Secure multi-user access
- Extensive data archive, graphing and import/export data tools
- Superior FTP and web browser access
- Dynamic display capabilities
- Pre-configured settings for accuracy

**Operator Interface Upgrade – to expand your capabilities**

Our operator interface upgrade allows for optimum, intuitive control of your furnace system. A new operator interface can provide reliability, security and repeatability required to run any complex vacuum process.

Ipsen’s operator interface upgrade expands your capabilities with enhanced feature including:

- Industrial touch-screen PC with data collection and trending software
- Increased control of process
- Secure multi-user access
- Multiple screen sizes
- Pre-configured prior to shipment

Learn more about Ipsen at www.IpsenUSA.com or contact Ipsen’s Engineered Components Group at engineeredcomponents@ipsenusa.com or 800.727.7625 for more information.