

# CRITICAL SENSING & CONTROL PORTFOLIO

High-precision solutions to improve yield, quality, efficiency, and safety



Advanced Energy®

## Temperature Sensors

### RELATED APPLICATIONS:

Industrial Manufacturing,  
Calibration, Petrochemical, Energy,  
Medical, Semiconductor

### Impac & Sekidenko Pyrometers

Fast, accurate, and rugged  
non-contact infrared  
temperature measurement



### Mikron Thermal Imagers

High-performance infrared  
cameras for demanding  
real-time imaging applications



### Luxtron Fiber Optic Sensors

Precise & accurate temperature  
measurements in RF, EMI  
and high voltage applications



### Mikron Calibration Sources

Enhanced emissivity values  
and stability to verify precise  
thermal measurements



### Tegam Probes & Thermometers

Highly accurate meters,  
probes, and calibrators



## System Solutions

### RELATED APPLICATIONS:

Industrial Manufacturing,  
Petrochemical, Energy

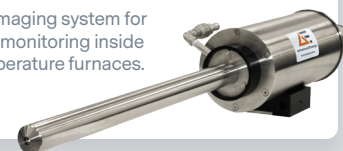
### ThermalSpecion

Infrared imaging systems for  
real-time measurements of  
critical processes and assets.



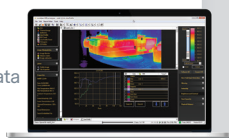
### FurnaceSpecion

Infrared imaging system for  
real-time monitoring inside  
high temperature furnaces.



### Software

Proprietary software  
packages for enhanced data  
acquisition, visualization,  
and integration.



### FlareSpecion

Continuous flare stack  
monitoring and detection of  
pilot flame and flare gases.



### E<sup>2</sup>T Pyrometers

Non-contact temperature  
monitoring for petrochemical  
applications.



## Power Control

### RELATED APPLICATIONS:

Industrial Manufacturing

### Thyro-A® Series

Digital thyristor power  
controller supports load  
currents up to 1500 A and  
voltages up to 600 V



### Thyro-S® Series

Thyristor switch for general  
heating applications, supports  
load currents up to 350 A



### Thyro-PX® Series

Advanced SCR power  
controller supports load  
currents up to 2900 A



# Test & Measurement

RELATED APPLICATIONS:  
Industrial Manufacturing,  
Medical, Military & Aerospace

## Tegam RF Power Meters

High accuracy, stable RF power measurement with a wide power and frequency range



## Tegam RF Calibration Systems

Automated calibration systems for microwave sensors and high-power RF devices



## Tegam Bond Meters & Ohmmeters

Highly accurate electrical resistance measurements with intrinsically safe and wireless data logging options



# Preventative Maintenance, Calibration, & Service Solutions



## Total Service Plan

Bundle AE Services for savings and convenience in a Total Service Plan to keep your equipment performing at its best.



## SafeGuard™ Protection Plans

Extend factory warranties and insure against accidental damage.



## Factory Calibration & Alignment

Only AE can offer Calibration & Alignment to re-center instruments to specification.



## Field Calibration, Commissioning, and Preventative Maintenance

Minimize downtime and ensure optimal operation with our many Field Service offerings.



## Rapid Exchange Programs

Minimize downtime and ensure optimal performance with new & refurbished exchange units for periodic calibration and maintenance programs.



## Repair & Upgrades

All AE repairs & upgrades are performed in our factories and service centers using AE original components, trained operators, and in-house test procedures. Keep your equipment up to date with the latest Software and Firmware updates.