

FLARE PERFORMANCE AND PILOT MONITORING TECHNOLOGY



SMARTER FLARE COMPLIANCE

Monitoring your flare and its pilots has never been easier. Zeeco’s advanced flare performance and pilot monitoring technologies go beyond traditional monitoring methods to deliver real-time, reliable data. From pilot flame detection to combustion efficiency, our solutions help you stay compliant, reduce emissions, and operate with confidence.

FLARE PERFORMANCE MONITORING

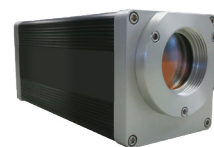
Knowing whether your flare is performing at its best is critical to ensuring environmental compliance. Zeeco’s portfolio of flare performance monitoring devices closes the gap between guessing and knowing, increasing flare reliability, safety, and efficiency. Whether you need a system that ensures smokeless flaring or one that measures, controls, and records flare performance, Zeeco has a monitoring device that will help you achieve environmental compliance.



	CONTOUR™	VIZION™	FLAREGUARDIAN™	IDENTIFEYE™
PRIMARY FUNCTION	Smokeless Control	Flare Performance Optimization NHVcz/dil and Smokeless Control	Flare Performance Optimization Combustion Efficiency and Smoke Index	Internal Burning and Positive Flare Flame Identification
MONITORING METHOD	Dual Wavelength IR	Simplified VISR	VISR	Long-wave IR
SMOKELESS CONTROL	Yes	Yes	Yes	No
PERFORMANCE MEASUREMENTS	Nominal Oxygen to Hydrocarbon Ratio	DRE % Bracket, NHVcz/dil, Smoke Index, Heat Release, Direct Smokeless Control	Combustion Efficiency, Smoke Index, Heat Release, Direct Smokeless Control	Regions of Interest (Main Flame, Individual Pilots, Internal Burning)
INTEGRATED DATA LOGGING	No	Yes	Yes	Yes
ONLINE INSTALLATION AND MAINTENANCE	Yes	Yes	Yes	Yes
ALARM SYSTEMS	No	Yes	Yes	Yes
INSTANTANEOUS FEEDBACK	Yes	Yes	Yes	Yes

FLARE PILOT MONITORING

When your flare pilot is offline, you need to know immediately. ZEECO flare pilot monitoring devices provide instant feedback on individual pilot status, ensuring safe flaring of waste gases. Compared with traditional pilot monitoring methods such as thermocouples and pyrometers, ZEECO IdentifEye and VerifEye provide accurate and instantaneous pilot status information to ensure environmental compliance and safe ignition of flare waste gases.



	IDENTIFEYE™	VERIFEYE™	THERMOCOUPLES	PYROMETERS
INDIVIDUAL PILOT MONITORING	Yes	Yes	Yes	No
REAL TIME MEASUREMENT	Yes	Yes	No	No
MONITORING METHOD	Long-wave IR	Fiber Optics	Heat Transfer	IR
ONLINE INSTALLATION AND MAINTENANCE	Yes	No	No *Thermocouples can be offered as retractable.	Yes
ALARM SYSTEMS	Yes	Yes	Yes	Yes
CONSUMABLE COMPONENTS	No	No	Yes	No
INTEGRATED DATA LOGGING	Yes	No	No	No

LET ZEECO FIND THE RIGHT SOLUTION FOR YOU

Since 1979, Zeeco has developed industry-leading advanced combustion and environmental solutions that set the standard for reliability, safety, and efficiency. So whether you need a state-of-the-art flare performance monitoring system or a simple pilot monitoring device, turn to the experts in flaring solutions.

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ZEECO®

Choose to work with our dedicated, flexible, and innovative team, and you won't be disappointed. Call or email us today to request a quote or to learn more about our proprietary combustion systems.



REGISTERED
ISO 9001:2015

Certification applies to
Zeeco Headquarters.