



VIZION™

REMOTE FLARE MONITORING AND CONTROL

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SEE WHAT THE HUMAN EYE CAN'T

For decades, the most reliable assessment of a flare's performance was determined by using visual observation. Today, modern technology allows operators to quantify what the human eye can't. Introducing ZEECO ViZion – a remote flare monitoring and control device. ViZion uses innovative imaging technology to measure, monitor, and control flare performance. ViZion is approved under the EPA's Other Test Method (OTM) 56 for measuring and quantifying NHVdil and NHVcz parameters.



ACCURATELY MEASURE FLARE PERFORMANCE WITH SIMPLIFIED VISR TECHNOLOGY

ZEECO ViZion can be mounted up to 1,000 feet (305 meters) from a flare tip. While observing flare combustion, the optical camera utilizes simplified video imaging spectro-radiometry (VISR) technology to measure NHVcz, NHVdil (qualifiers for combustion "health") and smoke index in real-time. In instances where a flare falls outside acceptable combustion parameters, ViZion can be integrated into plant control loops to adjust steam or air control to bring the flare back to peak combustion efficiency. When used properly, ZEECO ViZion maintains destruction removal efficiencies (DRE) of 98% or higher. Optimize the combustion performance of your flare and protect against inaccurate external Subpart W reporting.



VIZION FEATURES

- » Real-time remote monitoring and control
- » Measures combustion properties (NHVcz, NHVdil)
- » Measures heat release and extrapolates flare flow
- » Quantifiable mitigation of methane emissions
- » Alert system for smoking flare (AP 42 Method 22)
- » Utilizes VISR technology (AP 42 Method 56)
- » Little to no maintenance required
- » Increase destruction removal efficiency to 98% for Subpart W compliance

COMPLY WITH 0000b/c AND OTHER FLARE MONITORING REQUIREMENTS

- » Verifies flare flame, removing the requirement for pilot flame confirmation
- » Eliminates need for calorimeter, gas chromatographer, mass spectroscopy, or canister sampling for verifying NHV compliance
- » Exempt from flare gas flow rate monitoring
- » Performs monthly Method 22 testing for visible emissions

