



ClearSign Eye™ Pilot Sensor

Current pilot flame monitoring technologies frequently suffer from reliability issues. ClearSign Technologies has developed a new patented product for flame detection in industrial combustion applications. The ClearSign Eye Pilot Sensor has been developed for industry standard pilots used for process burners and other industrial burner applications.

The basic configuration consists of two sensing electrodes situated outside the periphery of a flame. A signal is sent from the sending electrode to the receiving electrode through the ionization field of the flame. This signal is then transmitted to the electronics at the base of the unit and back to the control module. The control module analyzes the signal and measures the capacitance between the emitting and receiving electrodes thereby determining the presence and intensity of a flame.

Benefits:

- No Flame Contact
- Mounted In Place
- No Routine Maintenance
- Ease of Installation
- Retrofit Adaptability

Attributes	Ionization Rods	Optical Scanners	ClearSign Eye
Life Expectancy	●	●	●
Reliability	●	●	●
Accuracy	●	●	●
Maintenance Frequency	●	●	●
Installation Ease	●	●	●
Adaptability	●	●	●

● Best ● Good ● Poor



CLEARSIGN EYE™



Control Module

The ClearSign Eye can be demonstrated in any location for you and your team. Our expert will come to you with an industry standard pilot, a propane tank, and the easily assembled ClearSign Eye with full functionality regardless of site conditions.

To learn more about our products or to request a demonstration, contact ClearSign Technologies at 206.673.4848 or sales@clearsign.com

