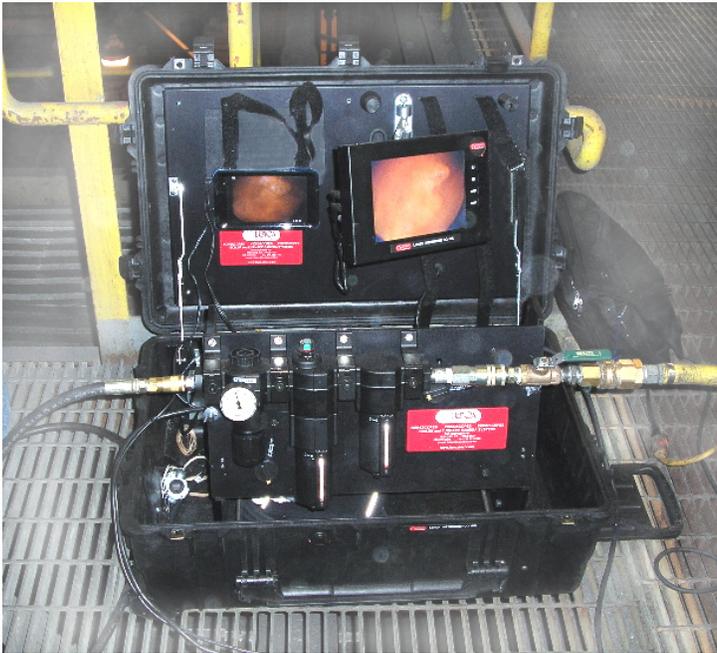




Lenox Instrument Company, Inc.
265 Andrews Road Trevose, PA 19053
USA 800-356-1104 Worldwide 215-322-9990
Fax 215-322-6126 sales@lenoxinst.com

Portable FireSight Furnace Camera Diagnostic Systems

*for color video monitoring of combustion and process control
in boilers, furnaces, kilns and incinerators*



Only by seeing directly into the inside of your boiler, furnace or incinerator, are you able to:

- Instantly view burner malfunction, flame impingement, fire ball centering problems, tube leaks and other problems
- Reduce shut downs and maintenance costs by identifying NO_x, CO and O₂ imbalance, high unburned carbon (LOI), eyebrows, slag, clinker and ash build-up
- Optimize the efficiency and safety of your unit by viewing and adjusting fuel and air flow in the burning zone
- Save time, man-hours and fuel during start-up
- Watch for proper process flow and accurate conveyance of materials

The **Lenox** hand-held FireSight Diagnostic System enables you to use one unit for diagnostics, testing, monitoring, and digital recording of several individual boiler or furnace functions operating at any level and using any available opening. A complete system consists of the air filtration and power systems and monitor, packaged in a durable case with telescoping handle and wheels, and includes all the components of a fixed FireSight installation. The portable FireSight System has become popular with boiler testing services, boiler and furnace manufacturers, performance and research and development engineers and pollution-control inspectors.

The **Lenox** FireSight Diagnostic System is designed specifically for high-temperature environments up to 3000°F (1649°C) and provides the highest image clarity in the industry. The Light Volume Control feature, a **Lenox** exclusive, consists of a remote-controlled motorized iris and spot filter located in the furnace lens. With the Light Volume Control, an operator can easily adjust the amount of light transmitted to the high temperature camera, eliminating the flaring / blooming common with other systems and ensuring a high-quality image from initial light off to maximum load. The system features quartz optics, another **Lenox** exclusive, that withstands temperatures up to 1200°F (649°C) higher than the glass lens used in other systems. The compressed air- cooling system provides reliable performance while using considerably less air than competing systems. (For fixed systems see FireSight High-Temperature Remote Viewing Systems brochure).



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* Specifications subject to change without notice.

FireSight Furnace Camera Diagnostic Systems Include:

- Wheeled Case – includes 8” monitor , air filter assembly and power systems.
- Air-cooled FireSight Furnace Lens Assembly (specify 24” or 36” – direct or right angle viewing)
- Portable CCTV Camera Housing Assembly
- High-resolution CCD Color Camera Assembly
- Light Volume Control – consists of a remote-controlled motorized iris and spot filter located in the furnace lens-an exclusive to Lenox

| Stock Number | Furnace Lens Length | | Viewing Direction | FOV |
|--------------|---------------------|-----------|-------------------|-----|
| | mm | (inches) | | |
| 6515FDC-102 | 610 | 24” | Direct | 90° |
| 6515FDC-402 | 610 | 24” | Right Angle | 55° |
| 6515FDC-103 | 914 | 36” | Direct | 90° |
| 6515FDC-403 | 914 | 36” | Right Angle | 55° |

Contact Lenox for water-cooled, portable Furnace Camera Diagnostic Systems

Additional Diagnostic System FireSight Furnace Lens Assemblies

| Stock Number | Furnace Lens Length | | Viewing Direction | FOV |
|--------------|---------------------|-----------|-------------------|-----|
| | mm | (inches) | | |
| 6515DC-102 | 610 | 24” | Direct | 90° |
| 6515DC-402 | 610 | 24” | Right Angle | 55° |
| 6515DC-103 | 914 | 36” | Direct | 90° |
| 6515DC-403 | 914 | 36” | Right Angle | 55° |

FireSight Diagnostic System Options & Accessories

| Stock Number | Description |
|--------------|--|
| 6515S-MP4 | Digital (hard drive) Recorder / Player |