



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

Portable FireSight Diagnostic Cart 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, can you:

- Instantly see burner malfunction, tube leaks and other problems before major damage occurs
- Watch for proper process flow and accurate conveyance of materials
- Helps reduce NOx, slag, clinker and ash build-up reducing shut downs and maintenance costs
- Save time, man-hours and fuel during start-up
- Maximize the efficiency and safety of your unit by viewing fuel and air flow in the burning zone

The **Lenox** hand-held FireSight Diagnostic Cart System enables you to use one unit for diagnostics, testing and monitoring 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, mounted on a hand truck, 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 engineers and pollution-control inspectors.

The **Lenox** FireSight Diagnostic Cart System is designed specifically for high-temperature environments up to 3000°F 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 camera, eliminating the flaring 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).



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



FireSight Diagnostic Systems Include:

- Mini Cart Assembly – including monitor shelf, air filter and power systems
- Air-cooled FireSight Furnace Lens Assembly (specify 24” or 36” – direct or right angle viewing)
- Portable CCTV 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
- 9” Color monitor

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°

Additional Diagnostic Cart 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 Cart Options & Accessories

Stock Number	Description
516-0906	9” Color Monitor
515-0186	Mini - Digital Video Recorder w/ 4” LCD Screen