

Cool Non-Contact Thermal Imaging System



Lenox Instrument Company recently announced the release of its new FireSight® thermal imaging camera system, designed to provide real-time monitoring and accurate, non-contact temperature measurement through combustion flames. The system:

- Transmits temperature information from 110,000 individual temperature points via a high speed digital connection.
- Is installed through a small opening in the combustion chamber wall.
- Uses water-cooling and integrated air-purging to keep the high resolution camera and lens tube cool and clear of debris.
- Operates at a waveband that has been carefully selected to eliminate obscuration and measurement errors caused by absorption/emission bands present in combustion gases.
- Comes with image processing software that can control or monitor up to four imaging cameras and allows high resolution images and data to be viewed, manipulated, recorded and archived.
- Has optional automatic retract system that pulls the camera back on loss of water cooling or air, preventing over-temperature damage; monitoring station to provide a local point of connection and status monitoring of coolant flow, purge air pressure, and electrical connections; and a control processor that provides connection to a wide range of industrial interfaces (TCP/IP protocol, OPC, analog signals or alarm outputs).

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Published on Chem.Info (<http://www.chem.info>)

Source URL (retrieved on *01/25/2015 - 6:11pm*):

http://www.chem.info/product-releases/2010/04/cool-non-contact-thermal-imaging-system?cmpid=related_content

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