SENKOX
Technologies Inc.

Your Infrastructure
Safety Monitor

Senkox Technologies Inc. is a dynamic company committed to developing state-of-the-art sensor technology. Senkox's innovative hot spot detection products are distinguished from other linear heat detection products by functionality, robustness of usage and the flexibility of installation and maintenance.

Senkox not only provides hot spot detection products –but also project-specific monitoring solutions according to customer requirements.

Senkox HSD™ Linear Hot Spot Detectors

Senkox HSD™ Linear Hot Spot Detectors can detect the real-time temperature, position and size of hot spots along the Senkox HSD™ Linear Heat Sensor Cable. The detectors can also provide rate of temperature change (ROTC), and the temperature difference between hot spot and ambient temperature.

Key Features

- Innovative HSD™ Linear Hot Spot Detection technology provides early detection of overheating
- Linear sensing technology provides line coverage with superior sensitivity.
- Real-time temperature measurement of temperatures ranging from -40°C to 600°C.
- Detect early overheating temperature from -40°C to 80°C.
- Rapid heat response time.
- Rate of temperature change (ROTC) detection.

Senkox TDS Temperature Monitoring Systems

Senkox TDS™ Temperature Monitoring Systems are a group of pre-configured Senkox products created to address temperature monitoring for specific industrial settings. These customized systems are fully self contained and simple to install and maintain

System - TDS-CS
Function - Coal storage temp. monitoring system
Application - Coal silo, Coal dome, coal conveyor system

System - TDS-FS
Function - Fuel storage temp. monitoring system
Application - Oil storage tank

System - TDS-CT
Function - Cable tray temp. monitoring system
Application - Power cable tray and tunnel

System - TDS-TR
Function - Transformer temp. monitoring system
Application - Transformer

Senkox HSD™ 201 Hot Spot Detection Systems

The Senkox HSD™ 201 Hot Spot Detection System is a project-specific temperature monitoring solution, which networks our linear heat sensors (LHS) in different fields into one central control station.
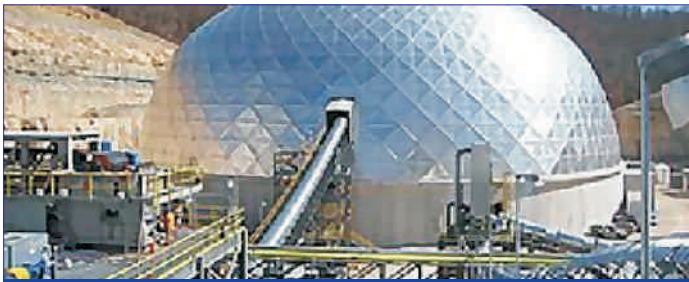
Key Features

- Detect real-time temperature of the hot spot.
- Detect the position, size of the hot spot, rate of temperature change as well as over heat temperature difference.
- Diagram of temperature vs time in each linear heat sensor.
- Users may set up the alarm points with critical temperature.
- The system stores the history data of each sensor and users may query the temperature diagram and alarm records.
- The system provides sound and light alarms in field place, and the alarm information can be noticed by email or sent to mobile phone system.

APPLICATIONS

Many industrial properties or assets require an effective distributed temperature monitoring system to detect early signs of fire or conditions of overheating.

Senkox developed the innovative HSD™ Linear Hot Spot Detection technology for these applications. Since the Senkox HSD™ Linear Heat Sensors (LHS) can withstand high abrasion, high temperature and high pressure, they are especially suitable for harsh environmental conditions. The sensors are also intrinsically safe and can be installed in hazardous locations. Furthermore, Senkox HSD™ Linear Hot Spot Detectors can also provide enhanced detection functions, such as real-time temperature, position, hot spot size, rate of temperature change, and the temperature difference between a hot spot and the ambient temperature. Visit the site to learn more about the compatibility of our detection technology with a specific, harsh industrial environment.

COAL STORAGE

HIGH TEMPERATURE VESSELS

FUEL STORAGE

CONVEYOR SYSTEM

CABLE TRAY

TUNNEL

HIGH SPEED TRAIN

TRANSFORMERS