



December 2024

NEWSLETTER

Draeger - H2scan - NEO Monitors - KROHNE



Draeger Flame 1500

The Draeger Flame 1500 IR3 flame detector includes a triple IR sensor. Hydrocarbon fires are detected at great distance. With excellent false alarm immunity and approved by FM, fire response is activated within 4 seconds. Benefits include fast and reliable flame detection via three infrared sensors and sophisticated algorithms. Prevention of false alarms is achieved by measuring infrared radiation in three different wavelengths.

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Draeger Flame 5000

The Draeger Flame 5000 sets itself apart by effectively distinguishing genuine fires from other radiant sources that often trigger false alarms in conventional detectors. It remains unaffected by solar radiation, flare radiation, electrical arc welding, hot CO2 emissions, and black body radiation. Combining visual flame detection with a closed circuit television camera (CCTV), the 5000 offers the ultimate flame detection solution.

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Visual flame detectors don't measure IR or UV energy – they analyze the pixels in an image and can accurately identify a flame. But are they better? Read more on the blog!

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HY-OPTIMA® - In-Line Hydrogen Process Monitors.

HY-OPTIMA® products are designed for electrolyzers and fuel cells and industrial processes.

H2scan's HY-OPTIMA In-Line Hydrogen Process Monitors are advanced hydrogen-specific analyzers designed for real-time monitoring of hydrogen concentration in various industrial processes. These devices utilize a solid-state, non-consumable sensing technology that delivers accurate and reliable measurements, even in harsh environments. They are widely used in applications such as petrochemical refining, hydrogen production, fuel cells, and industrial gas production.

Key Benefits of HY-OPTIMA Monitors:

- Highly-selective and accurate H₂ measuring without interference from other gases.
- Durable design suitable for extreme conditions, including high temps and pressures.
- Provides continuous, immediate feedback to optimize process efficiency and safety.
 - Non-consumable sensors ensure long-term operation with minimal servicing.

Why Choose H2scan Products?

- Proven expertise and cost efficiency- accuracy and reliability reduces downtime and process inefficiencies.
- Enhanced safety- precise monitoring helps prevent hazardous hydrogen leaks and ensures process integrity.
- Customizable solutions tailored to meet specific industrial requirements.
- H2scan's HY-OPTIMA monitors are an ideal choice for customers seeking durable, precise, and low-maintenance hydrogen monitoring solutions.

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NEO Monitors Tunable Diode Laser Spectroscopy (TDLAS) Gas Analyzers

**TDLAS is a non-contact optical measurement method employing solid-state laser sources.*

- Analyzers mount directly to the process (In situ) - no probes or sample lines.
- Laser does not degrade over time, lasting 10 years+
- Fast response to T90 in seconds - ppb, ppm, or % capable
- Average Concentration across the path length, no stratification errors
- Path lengths from approximately 4" to 90ft. Span calibration only, every 1-2 years.
- No zero calibration required

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New



New

KROHNE





OPTIWAVE 1520



OPTIWAVE 1540

NEW! Two new KROHNE Radar (FMCW) level transmitters
For non-contact level measurement of liquids, pastes, granulates, powders and other solids.

Radar level transmitter for basic applications with liquids and granulates

The OPTIWAVE 1520 is a 2-wire 80 GHz radar level transmitter for basic applications with liquids and solids. Its PVDF Lens antenna and compact housing make it particularly suitable for use in confined spaces as well as harsh process and environmental conditions such as outdoor applications, where a high degree of robustness is required. The level radar is therefore the ideal choice for cost-effective level measurement of sewage sludge and wastewater as well as treated water, e.g. in pumping stations, screw lifting stations or water basins. It is equally designed for use in small silos with granulates such as sand or other products. The level transmitter comes waterproof (IP68 rated) and can thus withstand heavy rainfall and flooding.

Radar level transmitter for basic applications with liquid chemicals and open channel flow

The OPTIWAVE 1540 is a 2-wire 80 GHz radar (FMCW) level transmitter for liquid chemicals, water or wastewater applications with high accuracy requirements as well as solids. Its front-flush Lens antenna and compact PVDF housing is resistant to many chemical products allowing for reliable level measurement in open tanks, pressurized tanks at moderate pressure conditions of up to 5 bar / 72.5 psi as well as granular silos. As the FMCW radar is also able to measure through the roof of closed tanks and containers made of non-conductive materials, the 1540 is also the perfect fit for cost-effective level measurement of liquids in moveable plastic containers such as IBC – without the need for direct installation in the tank and regular dismounting.

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