ETA Process Instrumentation

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FEATURED PRODUCTS AND MANUFACTURERS

Draeger IR3 Flame Detection

Flame 1500

- Prevents false alarms using three infrared sensors and sophisticated algorithms
- Fast reaction time: < 5 seconds (typical) for 0.1 m² n-heptane fire from 60 m distance
- Heated window prevents icing and fogging
- Maximum detection coverage, 90° horizontal and 90° vertical field of view, and up to 60m range
- High reliability verified by international certification
- Low maintenance, built-in self-test

Flame 1750

- Detects hydrogen-based fires even at long distances
- Five second notification of a hydrogen fire (1-metre flame) up to 40 meter distance
- Meets IEC 61508 requirements for safety integrity according to SIL 2
- HART® and RS-485 interfaces, and low energy consumption

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Draeger Visual Flame Detection Blog by Joel Myerson

Flame detectors typically use technology based on measuring the radiant energy given off by a flame. This energy measurement is done by measuring the IR, UV, or a combination of these wavelengths (UV/IR, IR3, etc.). Measuring the radiant energy given off by a flame has many inherent issues – if the energy is blocked (by humidity, particles, smoke, snow, etc.) it can't get to the detector, and the detector can't detect the flame (the detector is "blinded").

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Thermal Gas

Photoacoustic IR, CMOS Monitors

Unique, high-sensitivity Photoacoustic IR technology
Reliable, economical CMOS monitoring technology

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Thermal Gas Feature blog by Joel Myerson

Thermal Gas systems is a manufacturer of refrigerant leak detection systems. They've been in business for over thirty years. They are a privately held company with expertise in refrigerant monitoring. Their systems are built to order, assembled and calibrated at the factory, then disassembled and shipped. When a system ships to a customer it can be wired, installed and calibrated in a very short amount of time (since it has already been tested and calibrated).

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M4Knick
Conductivity Sensors

- Conductivity sensors have large measuring ranges due to 4-electrode technology
- Measurement at high temperatures and pressures
- Slim, ultracompact design 1 inch (25 mm) diameter

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Permapure
Gas Dryers

- Wide range of Gas Sample Drying products that can be tailor-made for your application
- MD Series™ and PD Series™ dryers are the ideal choice for drying gas samples prior to analysis
- Perma Pure dryers can reduce the sample dew point to as low as -45°C without any measurable loss of analytes

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Krohne
Level Measurement

- **Transmitters, switches, indicators and accessories for level measurement**

  For continuous level and interface measurement or point level detection
  Contact or non-contact measurement of liquids, pastes, granulates, powders, solids, bulk goods etc.
  For standard or demanding applications with advanced requirements, hazardous areas and Functional Safety (SIL)

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iFacility Services
New Service Offering - Mag Meter Verification

Accurate flow measurement is essential to industries such as water treatment, chemical processing, and food and beverage manufacturing. Mag flow meters, also known as magnetic flow meters, play a crucial role in quantifying the flow of conductive fluids. To guarantee precise and dependable measurements, iFacility Services offers mag flow meter calibration services to validate the accuracy of your equipment.

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