

## Gas leak detectors for hydrocarbons

**Gassonic Observer ultrasonic gas leak detector** note hydrocarbon gas leaks instantly — prior to hazardous gas accumulation. They're designed for oil, gas, and processing facilities including onshore or offshore gas storage monitoring, gas metering stations, and LNG plants.

Unaffected by changing wind directions and fast gas dilution, it detects 0.1 kg/s leaks in a radius up to 12 meters from the leak source. Contrary to other detection methods, detection coverage can be 100% verified at commissioning — increasing safety and reducing risk.

This patent pending instrument comprises built-in acoustic self-tester to ensure fail-safe operation. It is ATEX and UL/ULC certified.

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## Viscometers aid in fracturing, drilling fluids

**TT-100 Viscometers** are available for oil and gas applications that include fracturing and drilling fluids.

The pipeline-mounted TT-100 for well stimulation, offers 115 or 230 Volt standard, with 12V and 24V DC capabilities also available.

Among TT-100 features and benefits: concentric cylinder geometry (Couette type) that provides viscosity measurements at defined shear rates — that agree with industry standard lab measurements. The viscometer's in-line, continuous measurement eliminates the need for "grab" sampling, as well as time delays and variability in sampling/measurement techniques.

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## Advanced temperature calibrators

**JOFRA ATC Series (Advanced Temperature Calibrators)** combines the accuracy of laboratory temperature sources with the speed and portability of field dry-block calibrators.



With the latest ATC models, it is now possible to calibrate even more sensors at the same time along with large and odd size sensors in either a large diameter dryblock or in a liquid bath.

The ATC series calibrators are available in six different temperature ranges. All six feature the dual-zone heating block — designed for optimum performance and very good temperature homogeneity throughout the block.

Complete JOFRA Advanced Temperature Calibrators information is free for the asking.

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**NO DANGER**

**HAZARDOUS AREA CERTIFIED**

**GROUPS A•B•C•D  
CLASS I DIVISION 2**

## Moisture or carbon dioxide analyzer

**SS2000 Moisture or Carbon Dioxide Analyzer line** has been unveiled. They are very reliable for measuring trace levels of gas components using Tunable Laser Diode Absorption Spectroscopy. The real-time measurements are not hindered by wet-ups or dry-downs as with surface-based moisture and CO<sub>2</sub> analyzers. The SS2000 takes measurements four times per second with a laser and detector and averages the results.

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