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MeasurIT Technologies Ltd. are pleased to introduce you to our September technical product update.

Yours sincerely,
Zoe Williams, zoe@measurIT.com

Gas Mass Flow Measurements

In **applications with limited space** for pipe straight-run or when obstructors such as valves, bends, couplings or any other disturber which alters the flow profile are present, the [ST75V flowmeter](#) is the solution to ensure the highest accuracy and repeatability.



ST75V features **built-in Vortab flow conditioner that eliminates** both swirl and velocity profile **distortions** to ensure accurate flow measurement.

Media: **air**, compressed air, nitrogen, oxygen, argon, CO₂, ozone, other inert gases, natural gas, and **other hydrocarbon gases**.

Applications:

- burner and boiler fuel and air feed lines,
- industrial furnaces, kilns and oven fuel/air control,
- chiller air flow measurements,
- dosing and gas injection rate controls,
- air compressor system control and point-of-use monitoring,
- co-gen and turbine generator fuel flow measurements,

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Case Study: Flow measurement of Sand Slurry and Water Mixtures



Metso Minerals is one of the world's leading providers of stone and mineral processing systems as well as systems for the recycling of metal and construction materials.

Metso Minerals manages numerous mobile plants for sand and gravel processing. In these facilities, mixtures of sand slurry and water with a solid fraction of ca. 15 percent by volume are processed. Due to the highly abrasive silica content in such mixtures, inline flow measurement would be unfeasible using conventional technology.

Up to now, flow values could only be empirically estimated, for example either by deduction from the power consumption of a slurry pump and the pipe dimensions, or by measuring the filling time of a vessel.



The portable ultrasonic flow measurement allows the flow rate to be monitored in an uncomplicated manner. The measurement is completely wear and tear free, since the transducers are simply mounted onto the pipe's outer surface.

The simultaneous concentration measurement even allows instant

Multifunction Calibrator

A **calibrator** with a wide range of capabilities to cover **multiple functions** is a modern day necessity.

The [5025](#) can calibrate, bench and handheld multi-meters, frequency meters, ohm meters, ac/dc millivolt meters, thermocouple indicators, clamp meters, temperature indicators, timer counters, oscilloscopes and many other measurement devices - both traditional and new ones. [read more](#) >



Level Measurements - Liquids & Solids

For most people wastewater is a hidden part of everyday life. However, the collection, treatment and disposal of wastewater is an integral part of the water cycle that maintains the balance of water in nature.

To ensure water processes run smoothly the [KSONIK MICRO Ultrasonic Level Transmitter or Switch](#) can be utilized for **level detection**. The is designed to measure liquid (10 m) and bulk solids (3 m) levels. The [MICRO](#) is mounted on top of the vessel or tank. [more](#) >

 [Ultrasonic Level Measurements brochure](#)



OilSpy - Hydrocarbons detection system

Efficient **detection of floating hydrocarbons** and chloride solvents - OilSpy!

Short reaction times:
Super grade petrol - 4 sec
Trichloroethylene - 10 sec
Kerosene - 26 sec
Diesel and domestic fuel - 2 min
Crude oil - 2 min
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Focus on..

determination of the net conveyance of solid material.. [read whole case study](#) >

See also: [Concentration Analyzers](#)

See also: [Non-invasive flow measurements!](#)

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