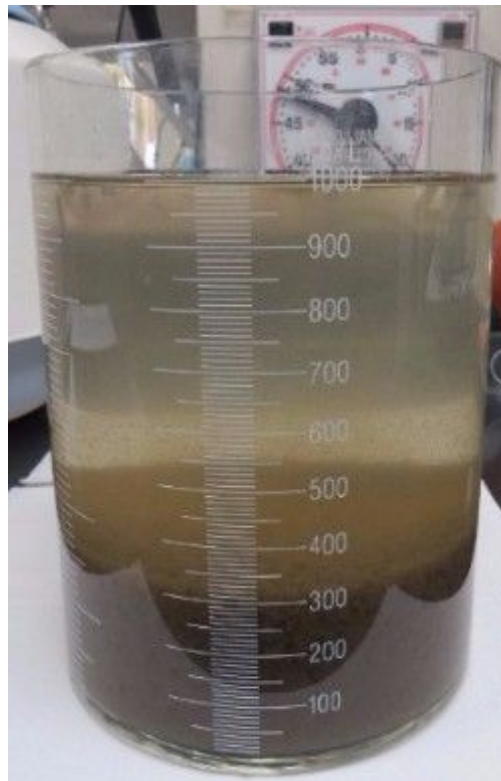


Welcome to another edition of 'Measurement Solutions' – Edition XXIII. Your reference to new and improved products for the process and water industries. In this issue we introduce a number of solution providers –

[View this email in your browser](#)



Measurement Solutions



How and why we measure Suspended Solids

Suspended Solids can be made up of both organic material (such as algae and plankton) and inorganic material (such as silt and sand) depending on the location.

See below for products we showcase which offer measurement solutions to specific water analysis requirements.

Click [here](#) to answer the following questions:

So why is it important that we measure Suspended Solids?

How do we go about measuring Suspended Solids?

How is Suspended Solids different to Turbidity?

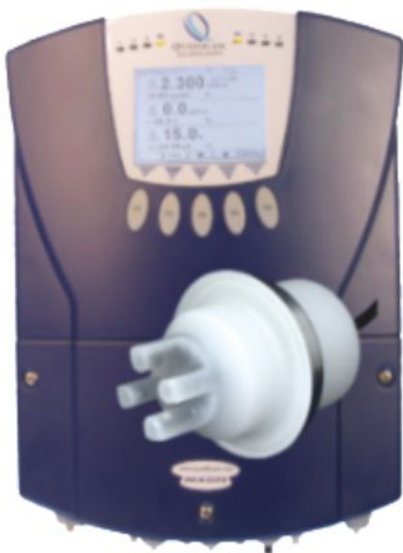
Partech inline sensor for sludge density

Monitor for filter failure or to indicate the strength of incoming liquor at tanker intake points.

When detecting turbidity the sensor can give immediate warning of a filter failure or of contamination of a process by suspended particles. The sensor is also well suited to the monitoring of sludge at tanker intake points, giving an excellent indicator of the strength of the incoming liquor allowing both process adjustments and the charges to be applied to the tanker operator.

The sensor uses infrared back-scatter at 960nm, the light is transmitted and received through a lens that is optically split. The infrared measurement principle allows the sensor to work in applications where entrained air prevents the use of ultrasonic sensors.

Click [here](#) for more information



Quadbeam Suspended Solids and Turbidity monitors

Stable and repeatable measurement results

Quadbeam's four beam ratio-metric self compensating process control sensors gives you improved control and reliability over other single and dual beam turbidity sensors.

A range of sensors for a range of applications, giving you improved accuracy allowing better control over your specific process.

- Polymer dosing control - MLSS measurement - Influent and overflow streams - Desludging primary tanks - Return/waste activated sludge - Quarries

Click [here](#) for more information

CROWCON release NEW confined space gas detector

T4 portable multi-gas detector

Effective protection against 4 common gas hazards: Carbon Monoxide - Hydrogen Sulphide - Oxygen depletion - Flammable gases.

With one-button operation and easy-to-use menus, the T4 is packed with other innovative features to make use simpler and the wearer safer.

Click on the introduction video [here](#)



Features include: 24-hour battery, Positive 'traffic light' safety indication, TWA resume ensures worker exposure to toxic gases is correctly measured throughout a shift, Invertible screen allows user to read the display more easily.

Click [here](#) for more information



VEGA - Level throughout your plant

Level measurement for water and wastewater utilities

Sewage treatment plants around the world rely on VEGA measurement technology because they place great importance on high plant availability, maintenance-free operation and accurate measurement data, as the basis for automatic control of the various process stages.

Level measurement is an essential part of many areas within water and wastewater plants.

Click on one of the yellow points to find your level sensor [here](#)



Need to measure Temperature?

Upgraded transmitter offers user-friendly adjustment via USB

The SEM315 is a HART 5,6, or 7 compatible universal transmitter. It accepts RTD, Thermocouple, Potentiometer or millivolt input signals and converts them to the industry standard (4 to 20) mA transmission signal. Alternatively, HART multidrop mode can be selected.

The SEM315 is programmed using a standard USB lead and our free configuration USB Speedlink software downloaded from our web site.

The SEM315 has full HART communications protocol which allows the user to quickly and easily down-load information or interrogate the device enabling the following:-

- Simple re-ranging of sensor type and range
- Easy on site re-calibration
- Self documentation

Click [here](#) for the product datasheet

Contact Details

Visit us on www.instrumatics.co.nz for information on our full range of products and services
Or email us with your query sales@instrumatics.co.nz
Telephone 09-526 0096

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