



# TurbiTechw<sup>2</sup> Sensor Range

## Sensors Ranges

- TurbiTechw<sup>2</sup> LR
  - 0-5 FTU
  - to 0-500 FTU
- TurbiTechw<sup>2</sup> LS
  - 0-50 FTU to 0-500 FTU
  - Higher range by special calibration
- TurbiTechw<sup>2</sup> LA
  - 0-4,000 mg/l to 0-20,000 mg/l
- TurbiTechw<sup>2</sup> HR
  - 0-10,000 mg/l to 0-30,000 mg/l

Suspended Solids or Turbidity monitoring provides an excellent indicator of plant performance, allowing users to react to changes in influent quality, equipment breakdown and process characteristics. By having this information available 24 hours per day, large savings can be made in energy and chemical use and time whilst improving environmental water quality.

The market leading TurbiTechw<sup>2</sup> range of sensors are designed for monitoring Suspended Solids and/or Turbidity and incorporate a fully automatic self contained self-cleaning system. It is the self-cleaning system that makes these sensors exceptionally reliable and easy to operate.

The sensors use a solid state infrared light source providing a stable and long lasting basis for the measurements, the optical surfaces and sample volumes have deliberately been kept large to improve tolerance of fouling during the periods between the automatic self-clean action.



TurbiTechw<sup>2</sup> LA and HR: Activated Sludge Plant Applications

The mechanical cleaning system means that there is no need for expensive and troublesome compressors that are required for air blast cleaning. The sensor can be serviced in minutes without the need for specialist training.

The LS and LR versions of the TurbiTechw<sup>2</sup> sensor use 90° Light Scatter as their operating principle. They are compliant with the international standard for Turbidity monitoring ISO 7027.

The 90° Light Scatter principle gives excellent linearity and repeatability up to 500 FTU's after which we recommend users change to a light attenuation based sensor such as the TurbiTechw<sup>2</sup> LA or HR.



TurbiTechw<sup>2</sup> LS: Final Effluent Monitoring



TurbiTechw<sup>2</sup> LR: Potable Water Applications

## Applications

- TurbiTechw<sup>2</sup> LR
  - Final Water
  - Filter Control
- TurbiTechw<sup>2</sup> LS
  - Final Effluent
  - Intake Protection
  - Primary Settled Sludge
- TurbiTechw<sup>2</sup> LA
  - MLSS
  - Activate Sludge
  - RAS
  - SAS
- TurbiTechw<sup>2</sup> HR
  - MLSS
  - Membrane Reactors

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