



Inline Sludge Density

APPLICATION NOTE

MONITORING TECHNIQUE

Infrared Backscatter

BENEFITS

Reduced sludge processing costs
Improved effluent quality

PRODUCT

7200 Monitor
IL55BV2 Sensor
7300w² Monitor
SoliTechw² IL Sensor

ASSOCIATED PRODUCTS

8100/8200 Monitor
ASLD2200
SludgeWatch Ultra
SludgeWatch 715
740 Portable Suspended Solids
Monitor

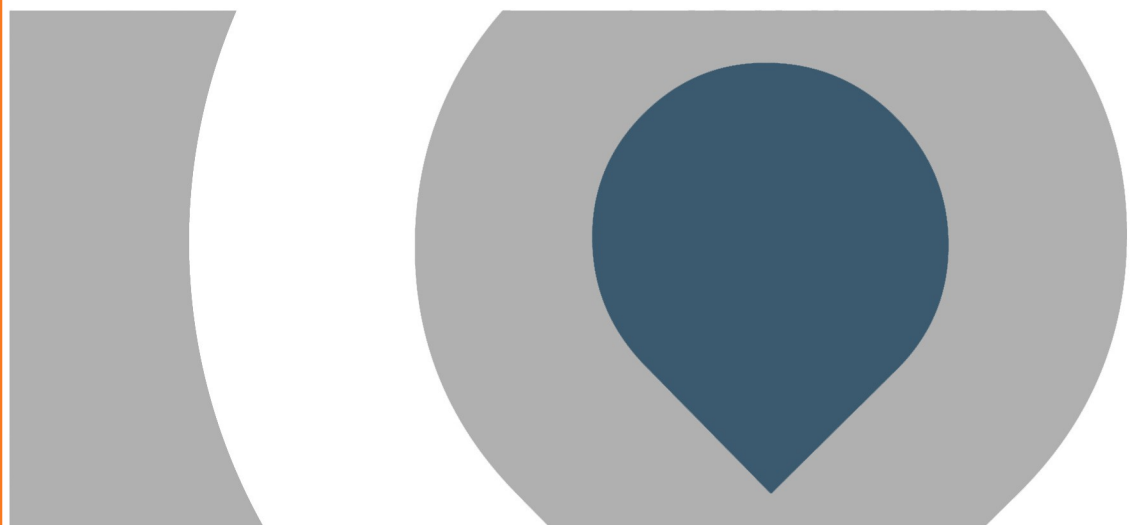


In-line measurement of sludge density and/or suspended solids has a major impact on the effectiveness of monitoring the solids content in sludge, from the intake stage through to treatment and disposal. Using information collected from online instruments, operator can automatically control the de-sludging of settlement tanks and the return of activated sludge to the secondary treatment process.

Such measurements provide a highly accurate solution to ensuring that the sludge has the optimum solids content, too low wastes energy in the sludge treatment phase, too high causes pumping problems and runs the risk of breakdown of the settling process.

Partech's inline sensors use infrared back-scatter to provide a highly effective monitoring package, the sapphire optical window is resistant to fouling and the sensor is offered with a ball-valve arrangement to allow easy access, under pressure for calibration and maintenance. Infrared light based sensors have a major advantage over ultrasonic alternatives in that entrained air does not blind the sensor, making activated sludge operation an option and removing sensitivity to bends in pipe work.

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to alter the specification without
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