Suspended Solids Settlement Analyser (S3A)

The Suspended Solids Settlement Analyser (S3A) reduces the time required for manual testing of MLSS, SVI and supernatant clarity. The analyser provides automatic and consistent results without an operator being in attendance, at a comparable price to manual units.

The S3A is a standalone benchtop analyser where the operator is only required to pour a MLSS sample to a pre-determined level on the S3A sample tube and then simply insert the tube into the analyser. The operator is then free to conduct other tasks, rather than having to monitor the test and perform the SVI calculation, as the results will be provided automatically after a settlement time period.

Features:

The S3A allows a MLSS sample to be analysed for settlement characteristics, such as MLSS and SVI, and to determine fractional layers over specific time frames without tying a technician to a bench to perform a manual test and calculations.

Automatic results are printed in a clear and concise fashion and remain displayed until the operator is able to return to the sample after attending to other operational duties. The last set of results are also available for display if the S3A is inadvertently switched off prior to the return of the operator.

The S3A is supplied in it's own carry case, with two sample tubes and stopper, 9v charger and cable, and User Manual. After a simple tuning process to your plant MLSS, the S3A is ready to commence testing.

Measured Parameters:

- MLSS – Mixed Liquor Suspended Solids
- SSL – Settled Sludge Level
- SVI – Sludge Volume Index
- Supernatant clarity
- Floating Sludge
- Optional Stirrer can be supplied for SSVI Tests

Benefits:

- 200ml sample – no buckets – saves time
- Results produced automatically – no attendance or calculation required
- Indicates floating sludge – further indication of potential compliance issues
- Spare sample test tube supplied – minimize on-costs
- Comparable cost to manual jar test equipment affordable automation

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