

S3A SUSPENDED SOLIDS SETTLEMENT ANALYZER

Suspended Solids
Settlement



Benchtop Suspended Solids and Settlement Analyzer

- ▲ Automated SVI & MLSS
- ▲ Discharge Clarity
- ▲ Floating Sludge Layers
- ▲ Multiple location profiles
- ▲ Easy to Use

S3A Suspended Solids/Settlement Analyzer



Measured parameters:

- MLSS – Mixed Liquor Suspended Solids
- SSL – Settled Sludge Level
- SVI – Sludge Volume Index
- SSVI - Stirred Sludge Volume Index
- Supernatant clarity
- Floating Sludge

Benefits:

- 210ml 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

WHAT IS S3A?

The Suspended Solids Analyzer (S3A) is a standalone benchtop analyzer requiring only a small MLSS sample filled to a pre-determined level in the S3A sample vessel. The vessel is then inserted into the analyzer. The operator starts the analysis and the results will be displayed automatically after a pre-determined time.

WHERE CAN IT BE USED?

The S3A allows a MLSS sample to be analyzed for settlement characteristics such as MLSS, SVI and determine fractional layers over a specific time frame without monitoring or the need to perform separate manual tests and calculations.

WHAT ARE THE BENEFITS?

The S3A reduces the time required for manual testing of MLSS, SVI and supernatant clarity, providing automatic and consistent results. This frees up operators time for other tasks

TECHNICAL SPECIFICATIONS

- **Sample Vessel:** 210 ml Glass vessel
one spare vessel included
- **Range:** 500 - 5500 MLSS
- **Storage:** 3 saved profiles with
28 previous tests for MLSS,
SSL, SVI, SPNT and FS,
display with trend graph
- **Power Requirements:** Analyzer:
5 vdc - 9 Vdc
100 Vac - 250 Vac 50 - 60 hz power
adaptor included
- **Working Temperature Range:**
32°F to 140°F



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