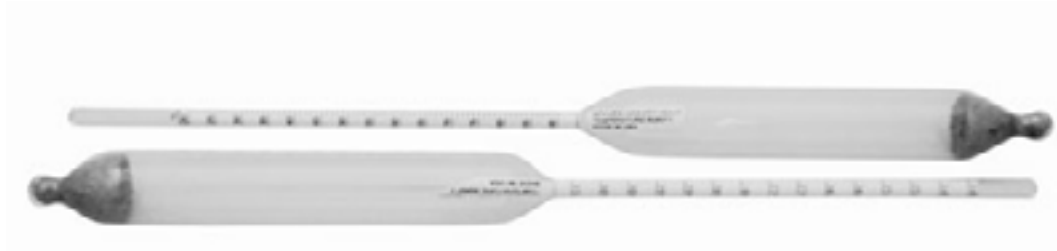




Sulfate Soundness Hydrometers



Features:

- Tests for sulfate soundness in either magnesium or sodium
- Measures specific gravity to ± 0.001 SG

Included Items:

- MA-168 Hydrometer for Sodium Sulfate Soundness, or
- MA-169 Hydrometer for Magnesium Sulfate Soundness

Hydrometers are used for Sulfate Soundness tests that measure specific gravity of the sulfate solution to ± 0.001 SG. The hydrometers are available in Sodium Sulfate (MA-168) or Magnesium Sulfate (MA-169).

The soundness testing of aggregate requires repeated immersion cycles in sodium sulfate or magnesium sulfate solution that is then followed by drying. The rehydration of the salts simulates expansion of freezing water. To determine the percentage of loss from the original sample, the samples are washed, dried and sieved. Sample sieves holding aggregate specimens are stacked into sieve holders. The holder are immersed in solution buckets containing sulfate solution.

MA-168 Hydrometer tests for sulfate soundness of Sodium with a range of 1.120—1.190°.

MA-169 Hydrometer tests for sulfate soundness of Magnesium and has a range of 1.240—1.310°.