

Total Sulfite, SO₂/H₂S Analyzer

Acidification and Coulometric Detection

By



Applications include:

amine solutions, seawater, ocean sediments, atmospheric gases, petrochemical industry, food and beverages, production-scale brewery operations, groundwater, inorganics, wines, etc.

The **CM340 Total Sulfite, SO₂/H₂S Analyzer** is a complete analytical system allowing the direct measurement of sulfite in a wide variety of sample matrices and concentrations. Applications include amine solutions, seawater, ocean sediments, atmospheric gases, petrochemical industry, food and beverages, production-scale brewery operations, groundwater, inorganics, wines, etc. The CM340 consists of a CM5330 acidification unit and a CM5017S sulfur coulometer. The CM340 easily handles solid or liquid samples with concentrations from ppm levels to 100% without user calibration. UIC's analyzers are rugged, accurate and adaptable to most applications. They are used extensively in industrial, research and educational laboratories worldwide.

The CM340 system includes the following components pictured above:

CM5017S Coulometer

- No user calibration
- Wide, linear dynamic range
- User selectable display units
- 12.1" fast-responding touch screen
- USB Flash Drive storage

CM5330 Acidification Module

- 10, 25, 50 or 100 ml reaction vessels
- Selectable volume acid dispenser
- Internal air pump with flow controller
- Controlled sample heating and stirring
- Pre-acidification scrubber for removal of SO₂/H₂S from carrier gas

Data Handling

Names, weights, and sizes of up to 50 samples can be entered, to be used by the CM5017S in calculating the final result. Analytical progress is displayed on the 12.1" LCD touch screen in user-selectable units. Detailed analysis information is automatically saved to an on-board memory stick after each sample.

Ordering Information

CM340 – Total Sulfite, SO₂/H₂S Analyzer Includes:

CM5017S Coulometer and CM5330 Acidification Module with tools and accessories for analysis of solid or liquid samples. Must also choose either the CM5131 (10 ml), CM5132 (25ml), CM5133 (50ml) or CM5134 (100ml) Sample Introduction Kit. (P/N CM340-01 110V 50/60Hz) (P/N CM340-02 220V, 50/60Hz)

Optional Equipment

Printer – 3" format impact printer; includes cable, power supply, paper and ribbon. (P/N CM124-078)