

CM245 –Total Inorganic Carbon (TIC) Analyzer with Autosampler

By Acidification and Coulometric Detection

Applications include soils, sediments, geological materials, sludges, water, wastewater, coals, ceramic powders, column packing materials, etc.

CONFORMS TO ASTM D 513

The CM245 is an automated TIC analyzer for direct measurements of total inorganic carbon in wide variety of sample matrices and concentrations. The CM245 system is offered with an optional built-in stirring and heating block, going up to 150 °C. Samples can be either weighed into reusable Teflon™ cups that are thereafter placed into glass sample flasks or weighed directly into the flasks. Up to 15 samples (with 80 ml flasks) or 30 samples (with 20 ml flasks) can be analyzed in a single run. The CM5700B is interfaced with a CM5018 CO₂ Coulometer.

Part Numbers

CM245-01 110V, 50/60Hz

CM245-02 220V, 50/60Hz



CM5018 CO₂ Coulometer

- No user calibration
- Wide, linear dynamic range
- Readability to 0.01 µg Carbon
- Modern Windows-Based Interface
- Storage on Hard drive of PC
- LIMS Compatible

CM5700B TIC Autosampler

- 15-position or 30-position carousel
- Solid pre-scrubber for CO₂ removal from the gas stream
- Self-cleaning
- Stirring and controlled sample heating up to 150 °C
- Post-acidification scrubber for removal of interfering gases released during sample digestion



For more information contact UIC Europe www.uic-europe.com

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