CM155 –Total Carbon (TC), Total Organic Carbon (TOC), and Total Inorganic Carbon (TIC) Analyzer

By Combustion, Acidification and Coulometric Detection

Applications include: Pharmaceuticals, sea water, amines and hydrazines, black liquors, food, soils, sediments, geological materials, sludges, sulfur, liquids containing particulates, water and wastewater, brines, process fluids, corrosive agents and acids.

CONFORMS TO ASTM D 513 and ASTM D 4129

The CM155 Total Carbon Analyzer is a complete analytical system capable of measuring total carbon, total organic carbon and total inorganic carbon in solid and/or liquid samples. Combining a high- temperature combustion furnace with automated boat inlet (ABI), self-contained acidification module, and a highly sensitive CO_2 detector, the CM155 offers the flexibility to analyze almost any sample type and concentration with a precision unmatched by other analytical techniques. The CM155 system includes the following components listed below and pictured here.

Part Numbers
CM155-01 110V, 50/60Hz
CM155-02 220V, 50/60Hz

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 CO_2 from carrier gas
Post-acidification scrubber for removal of interfering compounds released during sample digestion

CM5017 CO_2 Coulometer

No user calibration
Wide, linear dynamic range
Readability to 0.01 µg Carbon
User selectable display units
12.1" fast-responding touch screen
USB Flash Drive storage
LIMS Compatible

CM5390 Automated Boat Inlet features:

- Improved Sample Introduction
- Solid or Liquid Samples
- Eliminates Ladle Breakage
- Controlled Sample Handling

CM5300 Horizontal Furnace

Programmable up to 1100° C
Pre-combustion scrubbers for removal of interferences from oxygen carrier gas
Post-combustion scrubbers for removal of interfering gases formed during sample combustion

UIC EUROPE

For more information contact UIC Europe www.uic-europe.com
Phone: +351 910 908 188; Email: zjovanovic@uic-europe.com