

# CM185 – Surface Carbon Analyzer

By Combustion and Coulometric Detection

Applications include: cold-rolled steel, zinc plated steel, stainless steel, aluminum, copper, titanium, and surface mount components.

The CM185 Surface Carbon Analyzer is a complete analytical system capable of measuring surface carbon solid samples. Combining a high- temperature combustion furnace with automated boat inlet (ABI) and a highly sensitive CO<sub>2</sub> detector, the CM185 offers the flexibility to analyze almost any solid sample type and concentration with a precision unmatched by other analytical techniques. The CM185 system includes the following components listed below and pictured here.

Part Numbers

CM185-01 110V, 50/60Hz

CM185-02 220V, 50/60Hz



## CM5018 CO<sub>2</sub> 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

## 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

## CM5390 Automated Boat Inlet features:

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



For more information contact UIC Europe [www.uic-europe.com](http://www.uic-europe.com)

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