

CM190 – Total Organic and Inorganic 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 CM190 Surface Carbon Analyzer is a complete analytical system capable of measuring both organic and non-organic surface carbon. Combining two high-temperature combustion furnaces with a highly sensitive CO₂ detector, the CM190 offers the flexibility to analyze almost any solid sample type and concentration with a precision unmatched by other analytical techniques. The CM190 system includes the following components listed below and pictured here.

Part Numbers

CM190-01 110V, 50/60Hz

CM190-02 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

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



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