

CM5015 CO₂ Coulometer NEXT GENERATION CO₂ DETECTOR



- No User Calibration Required
- Linear Response from 0 to 100%
- Analytical Range of 10ugC to 100mgC per Sample
- Bright, 10" LCD Touch Screen User Interface
- SD Card Data Storage
- Ethernet Port for LIMS Connectivity
- Available as an Upgrade to the CM5014 CO₂ Coulometer

The **CM5015 CO₂ Coulometer** is the next generation of the highly reliable series of coulometric carbon detectors from UIC, Inc. The CM5015 includes many new features that enhance ease-of-use and data handling, while maintaining the unsurpassed accuracy and calibration-free analysis associated with coulometric detection.

The CM5015 is at the heart of each modular analysis system. CO₂ is generated from the sample by one of our many "front-end" modules and carried to the coulometric cell inside the CM5015. Here, the CO₂ is absorbed and electrochemically titrated. The current required to titrate the cell is directly proportional to the amount of CO₂ initially generated from the sample. Hence, no user calibration is required and the system generates results that reflect the absolute carbon content of the sample.



The CM5015 display is a large, bright LCD touch screen with an integrated touch keyboard. Many of the screens and menu choices are similar to the CM5014, which will minimize retraining time for users who are upgrading. Large buttons and information display areas make the touch screen easy to use and read.



The Secure Digital (SD) Card stores sample data and analysis parameters in a .csv format, providing easy import into spreadsheet and word processing programs. Upgrade customers will be able to eliminate the printer that is attached their CM5014, freeing up more bench space (an optional 3" wide format printer is available).

Data can also be sent directly to a Laboratory Information Management System (LIMS) via the integrated Ethernet port. There is also an additional RS232 serial port for connection to an external computer.

The CM5015 includes: Cell Assembly, Cell Reagents, Power Cord, Operation Manual, SD Card, SD Card reader, Serial and Ethernet cables and other accessories.