



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

The **CM5390 Automated Boat Inlet** from UIC, Inc. is the latest accessory in our product line designed to provide enhanced ease-of-use and analytical reproducibility.

The **CM5390** is used in conjunction with UIC's CM5120 and CM5300 high-temperature furnaces and either the CM5011, CM5012 or CM5014 coulometer to provide an improved method of sample introduction.

The *Automated Boat Inlet* has a large, easy to access sample entry box, user selectable sample entry speeds, variable purge time setting and an integrated flowmeter. The CM5390 replaces the traditional "dog houses" and breech block assemblies found on UIC's standard analytical systems.

#### EASY TO USE

The CM5390 eliminates the need to remove and replace breech block caps to insert and retrieve sample ladles. This also eliminates the chance of breaking any sample ladles.

Simply weigh out your sample, place it into the sample entry box, close and latch the lid, and start the analysis. The system is automatically purged of atmospheric CO<sub>2</sub>, the sample is then automatically introduced, analyzed and retracted\* with no user input. Samples can now be analyzed with, literally, "one hand tied behind your back".

\*When used with a CM5014 coulometer

#### SPECIFICATIONS –

**Electrical Requirements** – 115V, 50/60Hz, 2A

**Sample Entry Time** – Variable, 24 – 53 seconds

**System Purge Time** – Variable, 16 – 292 seconds

**Sample Capacity** – Up to 20 g (sample dependent)

**Dimensions, LxWxH, in. (cm)** – 18x11x13 (46x28x33)

**Net Weight** – 20 lbs. (9kg)

#### - Ordering Information -

#### CM5390-01 – Automated Boat Inlet –

*Includes:* CM5390 base unit, CM211-019 combustion tube, CM201-040 ladle entry tube, CM201-042 hook ladle, 3 x CM251-005 large porcelain boats, accessories, power cord and operation manual. For 115V operation.

#### CM5390-02 – Automated Boat Inlet –

*Includes:* Same as above, except equipped for 230V operation.



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