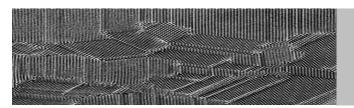
Product Catalog







O illicarbon/A

Fig 1. 108 Carbon Coater with MTM10

The Cressington 108carbon/A offers the choice of either manual or automatic evaporation.

In automatic mode the evaporation source operates at a programmed voltage for a programmed time. The programmer is simply adjusted and displays voltage and time digitally.

In manual mode the unique Cressington supply can be operated in "pulse" or "continuous" with the output voltage set using the rotary control.

The modular desktop design combines sputter control unit, pumping system and thickness monitor into an area of only 16" x 24" (42cm x 60cm). The desktop pumping system is fully integrated using a quick release all metal coupling system. The compact high speed rotary pump (30sec to 0.1mb) is mounted on an anti-vibration table with a desktop base.

The pumping system can be easily extended into a dual pumping system to accomodate the Cressington Sputter Coater along side a Cressington Carbon Coater.

All Cressington sputter coaters have a thickness monitor feedthrough port. Two types of high resolution thickness monitors are available. Each monitor has a 4 digit LED display, push button zero, and crystal lifetime check. Resolution is better than 0.1nm for any material.

CRESSINGTON

Carbon Coater

Specifications:

Chamber size 120mm Ø x 120mm high(4.75" x 4.75") Bradley type (6.15mm Ø rods) Evaporation source Heavy duty stainless steel construction

Microprocessor based Evaporation supply

Feedback loop controlled with remote current/voltage sensing Safety interlocked

Variable, 180A max. with over-current protection Sample table Holds 12 SEM 1/2" stubs

Height adjustment through 60mm

Analogue metering Vacuum, Atm - 0.001mb Current, 0 - 200A

Control method Automatic evaporation control using programmed

voltage and timer

Full manual override with pulsed or continuous

operation

Digital timer, 1 - 30 seconds Digital voltage setting, 0.1 - 5.5V

Automatic vent

Optional, MTM-10 only Width 420mm (16.5"), Depth 295mm (11.6"), Dimensions

Height 287mm (11.3") 14Kg (30.9 lbs)

Weight Power 800 VA max (excluding rotary pump)

Pumping system

Thickness monitoring

Rotary Pump High speed, direct drive 2-stage 2.5/3.0 m3/hr (50/60Hz) Pumping speed

Pumpdown time to 0.1mb is 30/25 sec. Desktop system

Vacuum pump is mounted on desktop compatible

anti-vibration table

All metal vacuum coupling system Dimensions

Width 330mm (13.0"), Depth 215mm (8.5"), Height 210mm (8.3"), 270mm (10.6") with filter

15Kg (33.2 lbs)

130 VA

Services required

Weight

Power

100 - 120 or 200 - 240 VAC, 50/60Hz Supply

(specify on order)

175 VA max. Power