



The EMP-5160. . .the advanced design for resin processing of light and electron microscopy specimens.

The EMP 5160 is a productivity tool for the Electron Microscopy Laboratory. If you are embedding three or more times per week you cannot afford to process by hand. The EMP 5160 uses a proven robotics system to move baskets of tissue from one vial to another and agitates at the time and force that you program, at the temperature you desire.

◆ Microprocessor based with room for 50 protocols built into the instrument. These can be preprogrammed for you, sent to you on preprogrammed keys later or put into the unit or keys by the operator with the hand held programming unit.

◆ Sealed Vials for operator safety, the vials can all be loaded in a hood and the EMP5160 operated in an open room. Transfer of the vials does not expose the operator to fumes as other units do.

◆ Programming is done via hand held keypad.

◆ Frugal! Can use just a couple of milliliters of fluid for one sample up to 18ml for a full load (up to 48 sample compartments).

◆ Two proven sample handling systems, either the traditional snap rings with removable screens or the multi-compartment baskets. Either type have all tools included.

FEATURES

- ◆ Unique Program Key System
- ◆ Complete System of Specimen Baskets
- ◆ Capped Reagent Vials
- ◆ Programmable Agitation
- ◆ Keypad for User Programmability
- ◆ Highest Specimen Capacity Available
- ◆ 50 Program Memory
- ◆ Two Battery Back-up Systems

SPECIFICATIONS

Number of Programs	50
Delay Start	Unlimited
Specimen Agitation	Yes
Specimen Temp.	Yes - Peltier Controller
Diagnostic Codes	Built-in
Coolant	Air cooled system
Specimen holders	Three types are offered: A) Molded plastic with three or four specimen compartments per basket. B) Electron microscopy specimen grid baskets for staining, spec grids/ baskets. C) Single compartment specimen stack rings for larger samples.
Specimen Capacity	48 Specimens in four compartment baskets 18 Specimens in three compartment baskets 72 Electron microscopy grids in grid baskets 12 Large specimens in stack ring holders
Battery Backup	Two battery backup systems: A) Lithium battery for ROM protection B) Rechargeable battery providing up to 30 minutes of full operation in the event of power failure. No temperature regulation during back-up by battery.
Program Step Range	1 minute to 99 hours 59 minutes
Specimen Drip	Between reagent vials, specimens are parked in the processing chamber & lightly agitated to remove excess liquid. This is a short term process in a saturated atmosphere alleviating any possibility of air drying.
Dimensions	H: 457 mm x W: 305 mm x D: 533.4 mm H: 18" x W: 12" x D: 21 "
Weight	25 kg 55 lbs.
Voltage	100/120/220/240 volts 50/60 Hz
Power Consumption	500 W