

Kemet Electro Polisher and Etcher



Power station width: 440mm
Power station depth: 305mm
Electrolysis unit width: 200mm
Electrolysis unit depth: 400mm



Power station height: 133mm
Power station weight: 17.5 Kg
Electrolysis unit width: 350mm
Electrolysis unit weight: 17.5 Kg

The Kemet Electro Polisher and Etcher has been designed based on many years of experience. It consists of a Power station and Electrolysis cell and is available in 2 sizes.

The power station, with adjustable output voltage between 0 to 100V, supplies a rectified current of 0 to 10A or 0 to 20A for 0 to 99 sec.

The Electrolysis Unit is designed to withstand both mechanical shock and corrosion. It includes a body that forms a base for the moving assembly and the electrolyte reservoir, the moving assembly with a pump and a motor, a cooling coil and an electrolysis chamber equipped with electrodes.

A DC current produces the anodic dissolution of the specimen surface in the electrolysis chamber. A flat polished surface can be achieved in seconds, ready for microscopy examination.

Power Station Specification

- Input 220V single phase 50 or 60 Hz
- Adjustable output from 0 to 100V, with volt display.
- Direct current rectified by silicon diodes. 0-10A and 0-20A range.
- 5 push buttons for function selection.
- 2 timers, polishing and etching
- Rear power output for electrolysis unit
- Front connection for clamp-type holder
- Time delay for starting and electrolyte flow control

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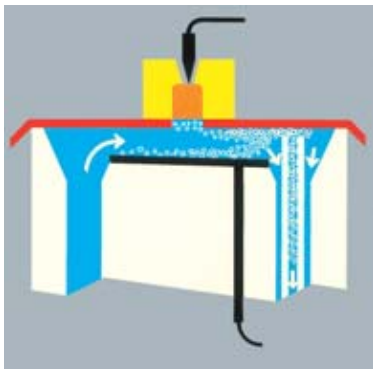
Parkwood Trading Estate, Maidstone, Kent ME15 9NJ
Tel: 01622 755287 Fax: 01622 670915
Email: sales@kemet.co.uk Web: www.kemet.co.uk



Secondary etching

Electrolysis Unit specification

- Moving assembly in PVC with circulation pump and electric motor
- Motor with variable speed to adjust the electrolytic flow.
- Stainless steel cooling coil.
- 5 PVC covers for various shapes.
- 2 Litre glass beaker for solution.



To obtain uniform liquid flow:

- Very long electrolysis chamber
- Polishing zone located far from electrolyte inlet

To obtain current density

- Slight inclination from the bottom of the chamber to the electrolyte outlet
- Blow-off pipe for gas

Accessories

- Stainless steel clamp-type holder for secondary etching
- Stainless steel bowl for secondary etching
- Cable for clamp-type holder and bowls
- Beaker 2 litres
- Set of 5 covers

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