

ELECTRODE ASSEMBLY

type E63

for Polarography

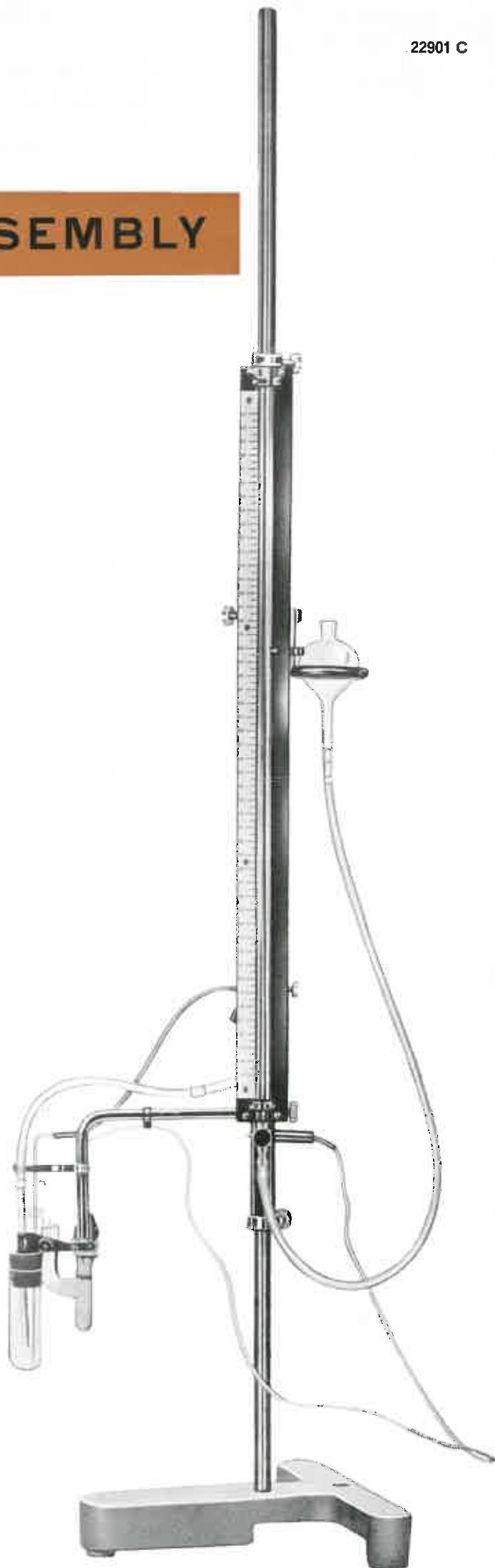
is designed particularly for precise and convenient polarographic work. The electrode assembly can readily be used with a water thermostat, which is essential for accuracy. The assembly incorporates a gas inlet system which controls the gas flow. The head of mercury can be read directly.

Description

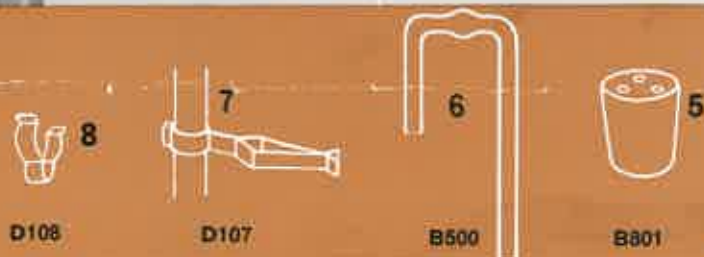
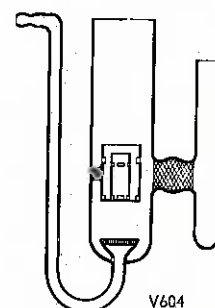
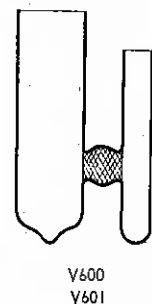
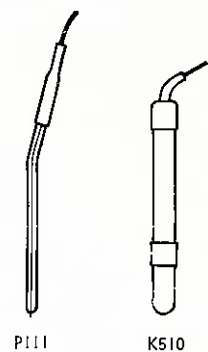
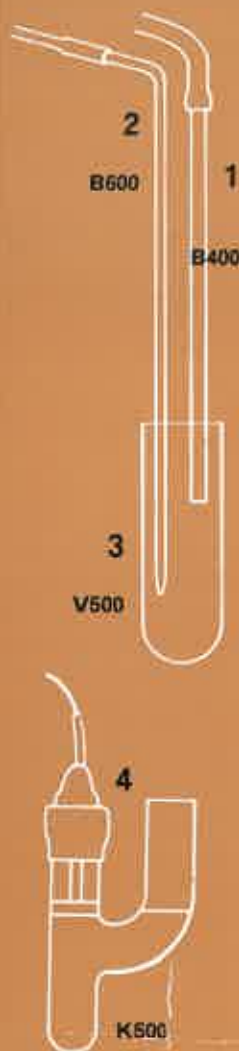
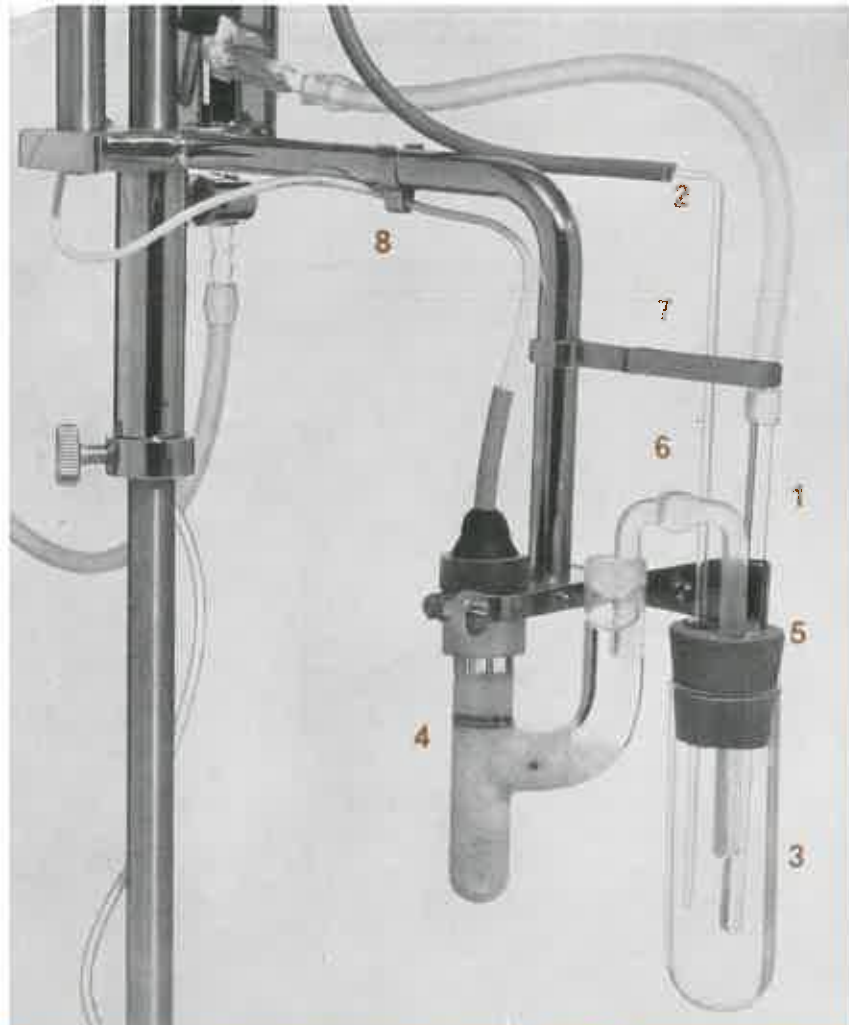
The mercury system consists of the electrode holder, a mercury ascending pipe, a scale, and a mercury reservoir. The system made of glass and flexible P. V. C. tubing is mounted on a frame which is attached to the rod of the stand. The frame rests on a lower stop collar secured by a knurled screw and can be moved vertically as well as rotated on the axis of the rod. This is a particular advantage when using a water thermostat. The polarographic cell may be arranged while the electrode holder is positioned outside the thermostat. Then it is only a matter of raising, turning, and lowering the frame to bring the cell to the desired position in the thermostat.

The clamp for the mercury reservoir is secured to the frame so that the head of the mercury is not changed when the position of the frame is varied.

An upper stop collar prevents the frame from being raised too high. The electrode holder firmly grips the capillary and the calomel half-cell. A rubber stopper slipped onto the capillary fits tightly in the standard vessels for polarography. The stopper has holes for the agar bridge and for the gas inlet tube. A built-in needle valve controls the gas flow. The rubber tubing is suspended by means of clamps.



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SPECIFICATIONS

The Electrode Assembly Type E63 comprises:

- 1 type D101 holder for Hg ascending pipe
- 1 - D102 electrode holder
- 1 - D103 support for mercury reservoir
- 2 - D105 stops
- 1 - D106 index of Hg level scale
- 1 - D107 clip for gas tube
- 1 - D108 clip for anode lead
- 1 - D109 needle valve for inert gas
- 1 - D110 stand
- 1 - V400 mercury reservoir
- 1 - B601 Hg ascending pipe
- 1 - B701 plastic tubing for mercury
- 1 - B702 plastic tubing for mercury
- 1 - B705 rubber tubing for inert gas
- 2 - B600 glass tube for inert gas

- 2 - B400 Hg capillaries
- 1 - V500 electrolysis vessel
- 1 - B801 rubber stopper with 3 holes
- 3 - B500 KCl-agar salt bridge
- 1 - K500 calomel half-cell
- 1 - L301 cathode lead

Extra accessories:

Type P111 platinum electrode

- V600 titration vessel (with KCl-agar plug)
- V601 titration vessel (with NH_4NO_3 -agar plug)
- V604 titration vessel according to Laitinen
- K510 calomel inner electrode for V600 vessel

Data subject to change without notice.

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