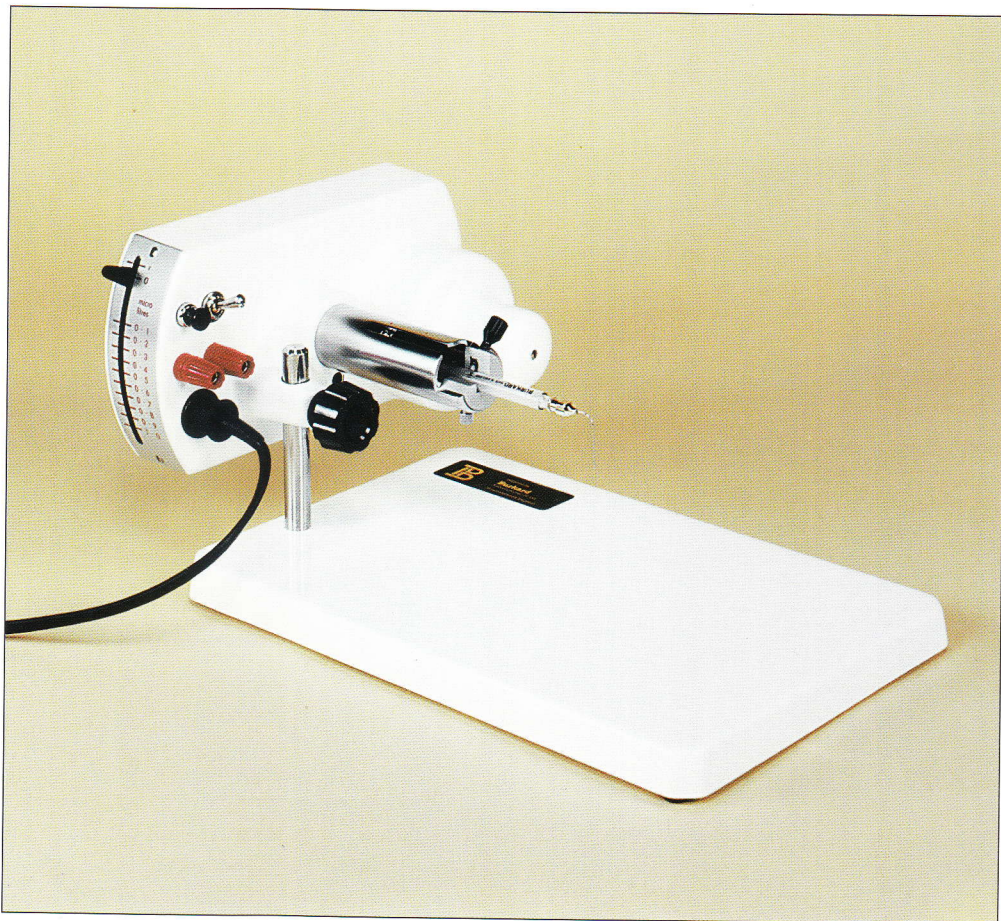


Automatic Microapplicator

A.J. Arnold, J.Sci.Instrum. 1965, Vol. 42, No 5, pp350-351

An automatic low voltage micrometer syringe with a delivery rate of 80 doses per minute using all glass syringes



Doses from 0.1 to 10 ul. in twenty steps can be rapidly selected. The instrument may be used in any position, while low voltage and power consumption enables it to be operated from mains or battery using a foot or ring and finger switch.

Construction and Equipment Details

The applicator is constructed from non-ferrous materials, with all components either Hard Anodised or Electro-plated.

A single selector lever on the unit enables rapid selection of drop sizes from 0.1 ul. to 1 ul. and 1 ul. to 10 ul. in ten equal steps. Movement of the selector lever to the automatic rewind position retracts the micrometer spindle in approximately 50 seconds.

The glass syringe is clamped or released by turning a single knurled screw.

The following equipment is supplied as standard.

- 1 Mains power supply unit. 250 V A.C. to 12 V D.C. or 110 V A.C. to 12 V D.C.
- 1 Burkard all glass micrometer syringe luer fitting
- 1 hypodermic needle 3/10mm x 25mm
- 1 ring and finger switch

Extra Equipment

10cc syringe and adaptor for droplets up to 10 ul.

General Specifications

Maximum delivery capacity	350 ul
Overall height	13cm (5 in)
Overall width	23cm (9 in)
Overall length	35cm (14 in)
Micrometer unit less base plate	23cm x 23cm x 13cm (9in x 9in x 5in)
Nett weight	4.5 kilos (10lb)
Gross weight	6.5 kilos (14.5lb)

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