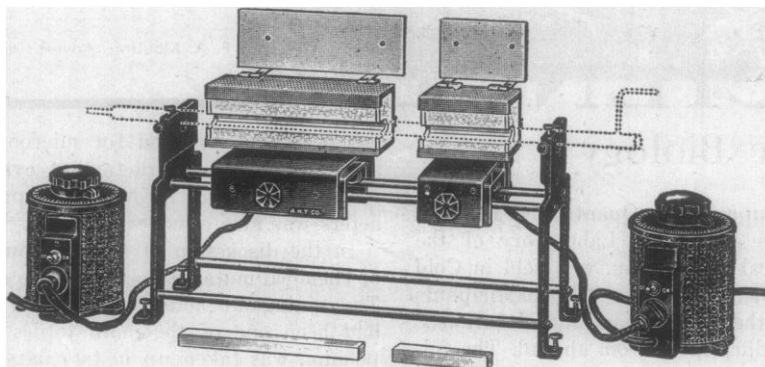


# VON CZOERNIG-ALBER

## SEMIMICRO COMBUSTION FURNACE

Electric heating, for temperatures up to 750° C



5682-L.

**SEMIMICRO COMBUSTION FURNACE, Electric, von Czoernig-Alber, A.H.T. Co. Specification,** complete with Sample Heater, for temperatures up to 750° C. For use with combustion tubes up to 16 mm outside diameter. For elementary quantitative organic semimicro analysis, including determinations for carbon and hydrogen, nitrogen by the Dumas method, halogens and sulfur by the catalytic procedure.

*Provides uniform and constant temperatures within the ranges required for many types of semimicro tests simply by changing the position of the tube in the furnace, but the use of transformer or rheostat is suggested for critical work or when the temperature must be changed gradually.*

The outside dimensions of the furnace body are 8 inches long  $\times$  3 inches deep  $\times$  2  $\frac{11}{16}$  inches high, with chamber 8 inches long  $\times$  1  $\frac{1}{4}$  inches deep  $\times$   $\frac{3}{4}$  inch high. The hinged front is of transite and can be raised with unprotected fingers by wire handle. Mounted on an adjustable stand with leveling screws and adjustment for centering and clamping combustion tubes. Furnace body can be moved laterally, either to right or left, on tracks 18 inches long; also moved forward or backward for approximately 2 inches.

Sample Heater is of the hinged front type. Heating chamber is 4  $\frac{1}{4}$  inches long  $\times$  1  $\frac{1}{4}$  inches deep  $\times$   $\frac{9}{4}$  inch high. Furnished with heat deflector; and Type 116 Variable Transformer to maintain the input at maximum safe operating voltage of 80 volts; power consumption 300 watts.

**5682-L. Furnace, Semimicro Combustion, von Czoernig-Alber, Electric, with Hinged Front Sample Heater, A.H.T. Co. Specification,** on adjustable stand, as above described. For use with semimicro tubes up to 16 mm outside diameter. Complete with two Variable Transformers, Type 116, two heat deflectors, two connecting cords with plugs and snap switch, and directions for use. For 115 volts, 50 or 60 cycles, a.c., only; total power consumption 645 watts ..... 232.95

**5682-N. Ditto, Furnace only,** without Sample Heater or Transformers. Complete with heat deflector, 5 ft. of cord with snap switch, plugs and directions for use. For 115 volts, a.c. or d.c. Power consumption 345 watts ..... 119.45

**NOTE**—Two types of Furnace Drive are available for use with above Furnaces. *Information sent upon request.*

### ARTHUR H. THOMAS COMPANY

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