

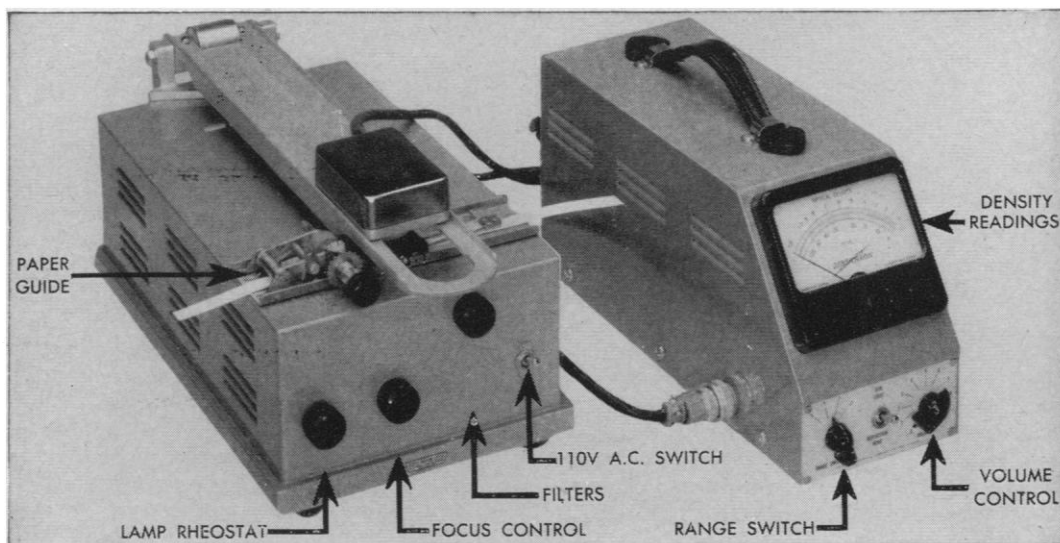
The WELCH **DENSICHRON**[®]

TRANSMISSION DENSITOMETER

of High Sensitivity and Stability

for PAPER CHROMATOGRAPHY

Provides a Simple and Remarkable Technique for Quantitative Micro-Analysis



No. 3835B

Patent No. 2424933

TRANSMISSION LIGHT SOURCE UNIT. This is an enclosed light source powered by a constant-voltage transformer and equipped with a hinged arm for supporting the Densichron probe. The plate or film to be observed is placed over the aperture and the probe is lowered into position for a reading. Suitable controls are provided. It operates on 115 volts, 60 cycles, A.C.

DENSICHRON WITH BLUE OR RED PROBE. This consists of the amplifier with logarithmic-scale meter, blue or red sensitive probe, metal probe support, five different measuring apertures, a cone with $\frac{1}{8}$ -inch aperture, and a set of instructions. The amplifier operates on 115 volts, 60-cycle A.C., only, except on special order.

It has been found that, because of the differential migration of the solutes through filter paper the maximum color density of the paper is proportional to the concentration of material. The "no drift" feature and the high sensitivity of the Densichron provide measurements of excellent repeatability with accuracies having high statistical significance. It has been successfully used for amino acids, sugars, vitamins, steroids, hormones, drugs, and an endless variety of both organic and inorganic compounds.

Write for literature describing the production of papergrams and the use of the Densichron for quantitative determination by the maximum density method.

No. 3835B Complete \$425.00

W. M. WELCH SCIENTIFIC COMPANY

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Manufacturers of Scientific Instruments and Laboratory Apparatus