BAUSCH & LOMB

BINOCULAR MICROSCOPE
FFSE—8

INTERCHANGEABILITY of binocular body tube with monocular tube is one of the features of this simplified model of parallel tube type binocular microscope. All optics are of the highest quality,—exactly the same as are used on more expensive models.
The equipment includes:

Achromatic Objectives—
10x(16mm), 45x(4mm)
and 97x(1.9mm Oil Immersion).

Paired Huygenian Eyepieces—5x and 10x.

Parallel Eyepiece Tubes
—adjustable for interpupillary distance.

Abbe Condenser—N. A. 1.20.

Adjustable Substage of the quick acting screw type.

Side Fine Adjustment—
Bausch & Lomb patented lever type; movement in same direction as coarse adjustment; equipped with automatic take-up for wear.

Price, as illustrated and described, $190.00

Bausch & Lomb Optical Co.
632 St. Paul Street, Rochester N. Y.
LEITZ

RESEARCH AND PHOTO-MICROGRAPHIC MICROSCOPES
COMBINATION MODEL "ABM"
U. S. Patent No. 1,448,592

—Through interchangeable use of both binocular and monocular tubes it is available for binocular and monocular vision—

In Stock For Immediate Delivery

For Research Work it is only natural to select microscopes which completely qualify the most discriminating requirements in optical and mechanical precision. To assist the Microscopist in the task of selection we always suggest to forward our Research Microscopes for inspection and comparison with those of other make since this affords the best means to convince him of the superior qualities of Leitz Optical and Mechanical Workmanship.

Leading Microscopists consider the Leitz Combination Microscope the ideal instrument for Research Investigation and Photo-Micrographic Work.

DETAILS OF CONSTRUCTION AND FEATURES:

1. In general design it is similar to the Leitz large Research Stand "AA."

2. Binocular and Monocular Body Tubes can be very easily interchanged and attached by eccentrically acting lever clamp.

3. A third tube can be attached in an interchangeable manner, this tube being of monocular design and equipped with a side telescope to permit constant observation of the specimen to the very last stages of exposure, when the microscope is connected with the camera for photomicrography.

4. When either Binocular or Monocular Tubes have been inserted into the tube carrier, the patented clamping device arrests these tubes automatically in a thorough true position to the optical center.

5. The Nosepiece Adapter is mounted independent of the tubes; objectives remain permanently centered; irrespective of which tube is used.

With the construction of the Combination Microscope "ABM", the Leitz Works have scored another progressive step as originators of new microscope models; the Leitz Works being the original Manufacturers of Binocular Microscopes for high power work.

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LEITZ-QUALITY IS NOT SURPASSED OR EQUALLED IN SUPREME

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The Leitz Works through new constructions have frequently caused a revolution in microscope models and optics.
More than an ordinary Voltmeter or Ammeter

This unique instrument is a combination voltmeter and ammeter which is so accurate, so permanent in its calibration and so completely compensated for temperature changes that it is used for the precise measurement of current and potential in laboratory work as well as for checking and calibrating other electrical instruments.

Its accuracy is shown on calibration curves accompanying each instrument,—these rarely deviate more than two-tenths of a scale division. There are 150 divisions.

Many years of use in Educational, Research and Standardizing Laboratories has been a rigid test of permanence of calibration and of temperature compensation, and has proved the absolute reliability of these Siemens & Halske Precision Direct Current Instruments.

The Precision Volt-Ammeter has the following ranges and characteristics:

<table>
<thead>
<tr>
<th>Range (150 divisions)</th>
<th>One Scale Division is equal to</th>
<th>Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 150 volts</td>
<td>1 volt</td>
<td>50,000 ohms</td>
</tr>
<tr>
<td>0 to 15 volts</td>
<td>.1 volt</td>
<td>5,000 ohms</td>
</tr>
<tr>
<td>0 to 3 volts</td>
<td>.02 volt</td>
<td>1,000 ohms</td>
</tr>
<tr>
<td>*0 to 45 millivolts</td>
<td>.003 volt</td>
<td>10 ohms</td>
</tr>
<tr>
<td>0 to .15 amperes</td>
<td>.001 ampere</td>
<td>—</td>
</tr>
<tr>
<td>0 to 1.5 amperes</td>
<td>.01 ampere</td>
<td>—</td>
</tr>
<tr>
<td>0 to 15 amperes</td>
<td>.1 ampere</td>
<td>—</td>
</tr>
</tbody>
</table>

* This range is for use with Precision Manganin Shunts having ranges as low as .015 ampere (.0001 ampere per scale division) and as high as 3000 amperes.

Price: Complete with hardwood carrying case, $110.25 net from stock at Philadelphia.

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