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Zenith

Naturalist

x60 MICROSCOPE



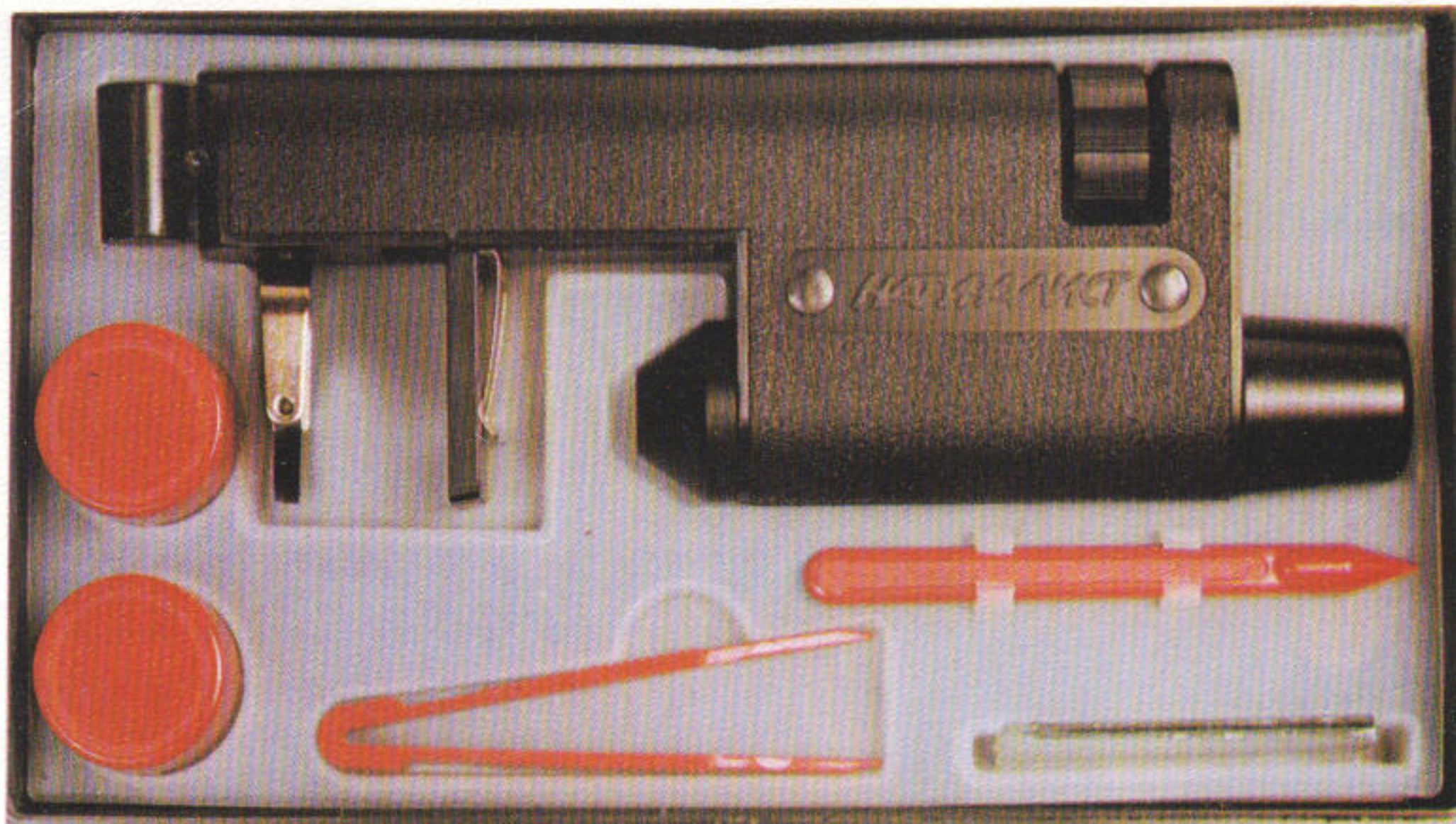
- * Fully Portable
- * Fitted case/baseboard
- * Complete with Forceps, Probe, Slides & Specimen Boxes

for Children



Specification

Magnification: X60
Dimensions: 240 x 135 x 44mm
Weight: 450g. approx.



Fitted case forms baseboard in use — contains all the equipment needed to start you off on a fascinating hobby.

- * Prepare and mount your own specimens.
- * Opaque specimens too, up to 8mm thick, (insects, coins, stamps etc.) may be placed on the stage itself and viewed by light reflected from their surfaces.
- * Adjustable mirror lets you examine transparent specimens (sections of plant life etc), by transmitted light.



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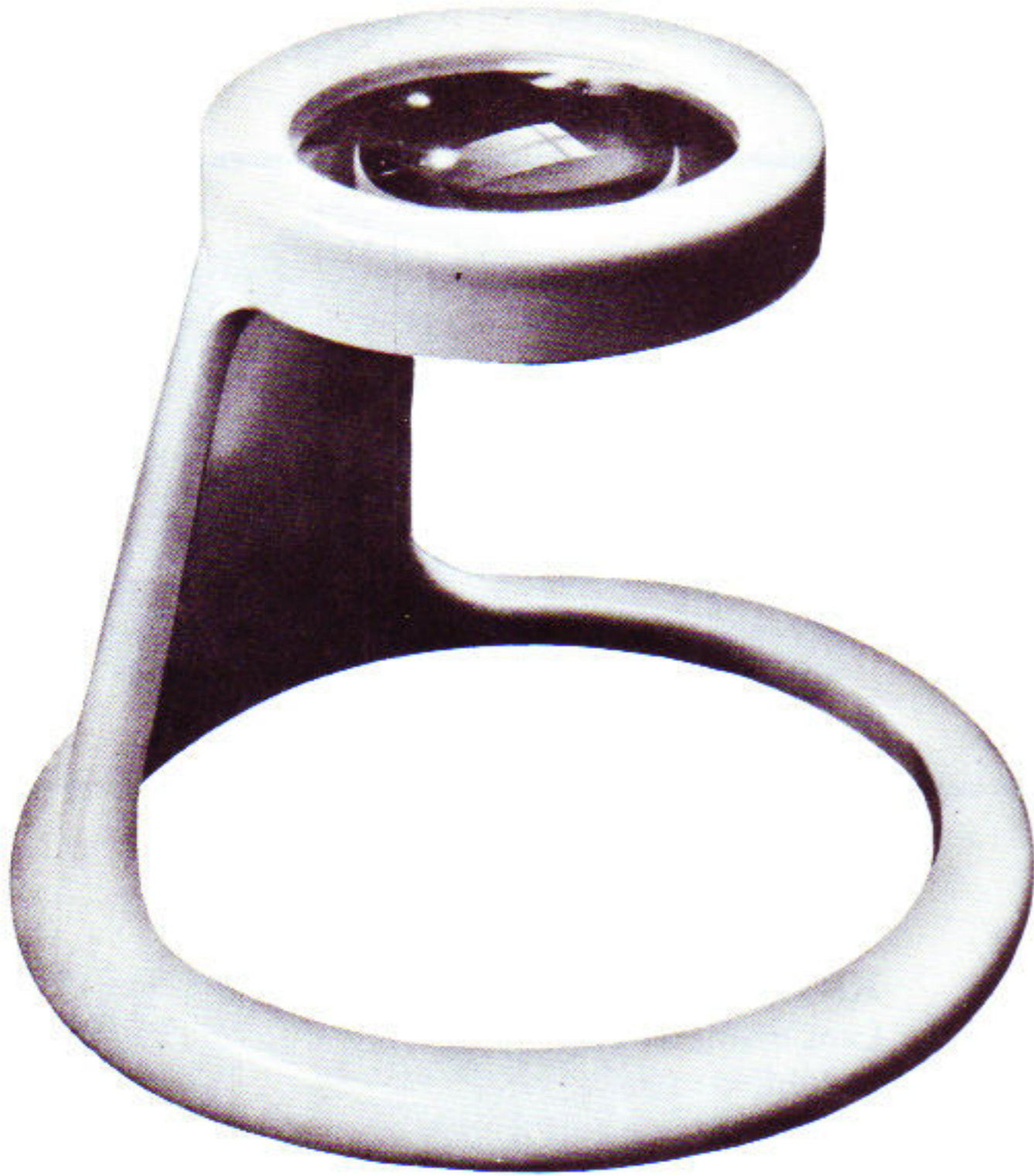


Technical & Optical Equipment (London) Ltd.,
Zenith House, The Hyde, Edgware Road,
London NW9 6EE. Tel: 01-200 6505

This product is one of a comprehensive range of quality optical equipment from the U.S.S.R. — including Microscopes, Cameras and Binoculars.

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**MAGNIFIERS AND
MEASURING
INSTRUMENTS**

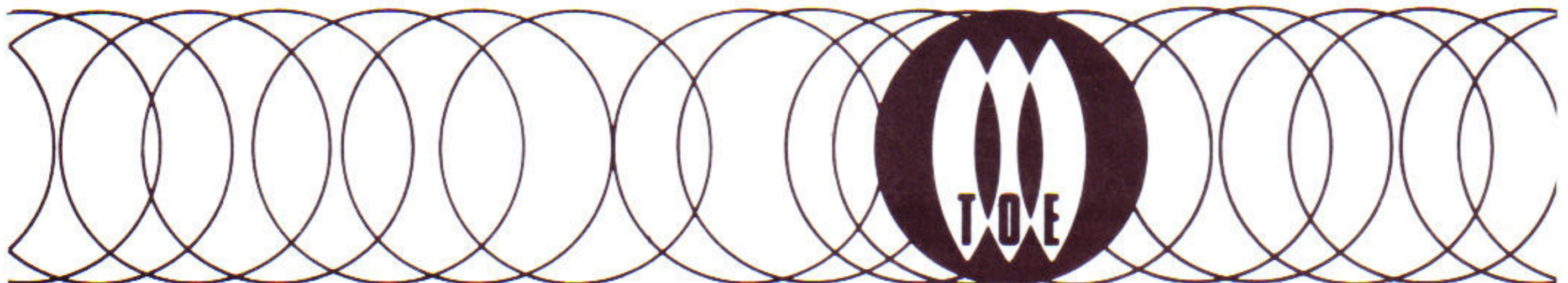


X4.5 STAND MAGNIFIER

With 29mm diameter glass lens
Working Distance 50mm
Base Aperture 60mm
Complete in case with screw-on lid
Product Code SM-4

X1.25 HEADBAND MAGNIFIER

Band adjustable for size
Working Distance 150-180mm
Field of view 120mm
Product Code HB-1





X2 MAGNIFIER

With 78mm diameter glass lens
Folding handle
Complete in felt lined case with screw-on lid
Product Code FM-2

X4 FOLDING POCKET MAGNIFIER

With 29mm diameter glass lens
Product Code FM-4

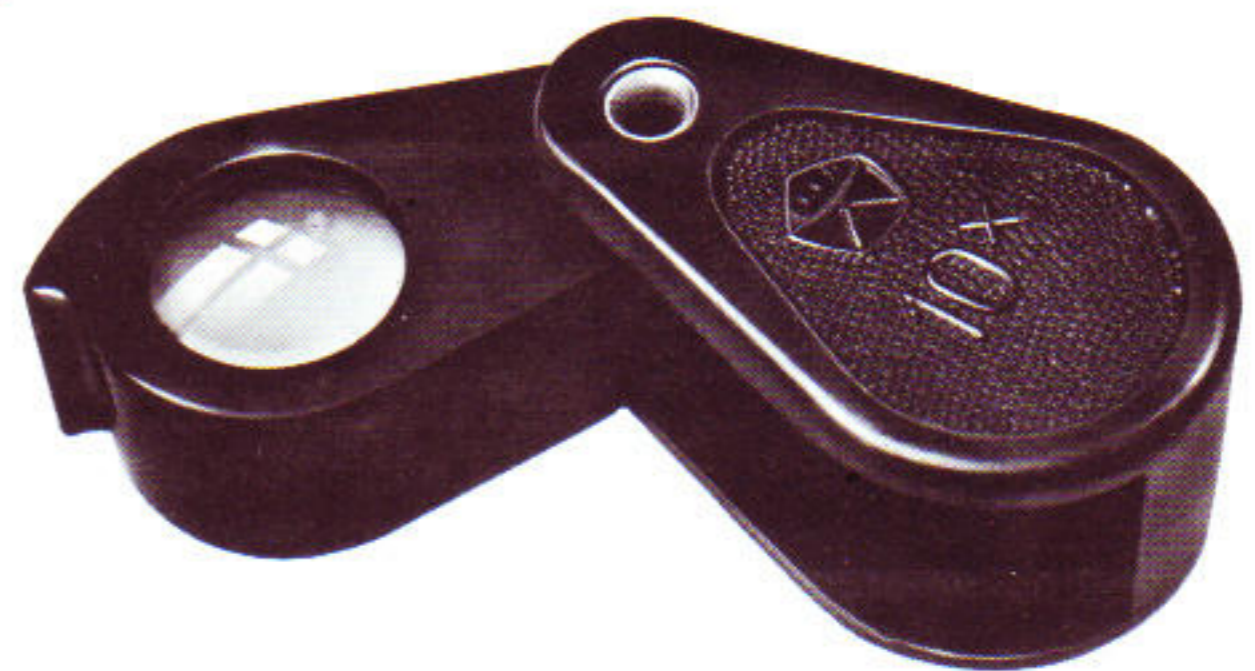


X6 POCKET APLANATIC MAGNIFIER

Lens diameter 22mm
In folding mount
Field of view 35mm
Product Code A-6

X10 POCKET APLANATIC MAGNIFIER

Lens Diameter 13mm
In folding mount
Field of View 20mm
Product Code A-10



X20 POCKET APLANATIC MAGNIFIER

Lens Diameter 6mm
In folding mount
Field of view 8mm
Product Code A-20



X3.5 WATCHMAKERS EYEGLASS
Lens Diameter 26mm
Product Code WE-3



X10 WATCHMAKERS EYEGLASS
Lens Diameter 18mm
Product Code WE-10



X5 WATCHMAKERS EYEGLASS
Lens Diameter 18mm
Product Code WE-5



X4 LINEN PROVER
In folding metal/plastic mount
Base aperture 1cm square
Product Code LP-4



X7 LINEN PROVER
In folding metal/plastic mount
Base aperture 1cm square
Product Code LP-7

X10 SCALEOMETER

With focusing aplanatic lens. Zero centered
15mm scale engraved on glass reading to 0.1mm
Divisions numbered every 1mm
Complete in case with screw-on lid
Product Code SC-10



BRINELL MICROSCOPE

The MPB-2 microscope is designed for measuring the diameters of indentations made by the Brinell hardness tester and may also be used for measuring the surface features of objects within an area of 6.5 mm diameter.

The measuring scale in the eyepiece is divided into 130 divisions, each equivalent to 0.05 mm and half of a division can be estimated. The eyepiece has an adjustable eyelens for focusing the scale. A knurled focusing ring controls the vertical movement of the microscope body.

SPECIFICATION

Microscope magnification	x24
Field of view	9 mm
Length of scale	6.5 mm
Scale graduated in divisions equivalent to	0.05 mm
Eyepiece adjustment range	+ 4 diopters

Brinell microscope complete in polished wooden case.

Product Code MPB-2



MEASURING MICROSCOPE

Designed for the measurement of small component parts and is basically a microscope body tube with standard objective thread. The drawtube is divided into sectors of 1mm between 130mm and 190mm. It is equipped with Achromatic objective x3.7 (NA. 0.11) and a x7 micrometer eyepiece with focusing eye lens and graticule. The graticule has a combined crossline and scale divided into 100 divisions (indicated in tens). The microscope body is fitted with an adjustable clamp ring with mounting lug. The overall dimensions of the microscope are 155mm (closed), 212mm (open) and an overall diameter of 30mm. Measuring range: 0.015mm to 6mm in length or separation. The total magnification is varied by adjustment of the mechanical tube length between 130mm and 190mm and the value of the divisions of the eyepiece will change accordingly.

As a result of repeated measurements with test objects the following table of APPROXIMATE values has been compiled. These relate to the divisions of the eyepiece at given tube lengths.

Tube Length (mm)	Value per divn. (mm)
130	0.058
140	0.053
150	0.049
160	0.045
170	0.041
180	0.038
190	0.036

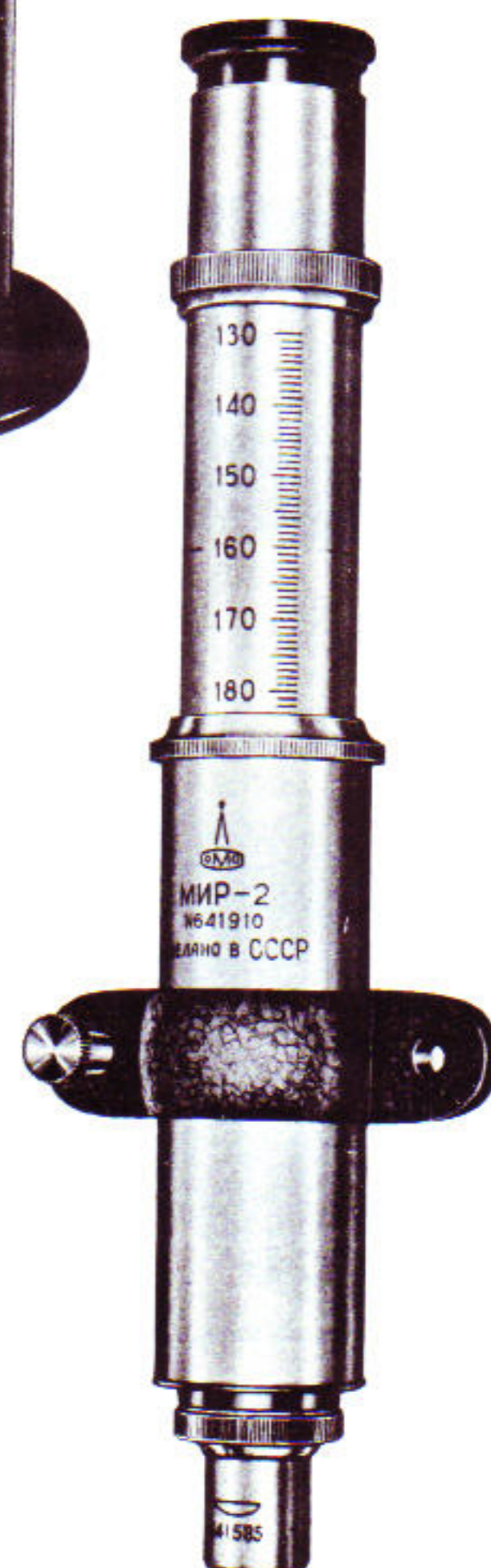
The value of each division of the eyepiece scale should be determined each time when called upon to take accurate measurements, as the actual value for each microscope may vary slightly from the table specified. This may be determined by means of a stage micrometer or any other precision scale available.

Simple measuring microscope, complete in case.

Product Code MIR-2

**T.O.E. specialise in
MICROSCOPES AND ACCESSORIES FOR METALLURGY,
DISSECTION, RESEARCH, INDUSTRIAL INSPECTION
AND PRODUCTION CONTROL.**

We reserve the right to vary, modify or improve any specification and/or design at any time without prior notice.



**Microscope Division,
Technical & Optical Equipment
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