

Manual IGISCOPE

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Gemmological Instruments

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We congratulate you on your new stereo-zoom-microscope with **ZEISS**-stereo-optics type IGISCOPE.

With this instrument you may perform a wide variety of examinations for Gems and Diamonds.

After having unpacked and checked the equipment, please mount the optical system onto the rod at the plane side of the base.

Center the optical system until it is rectangular to the base and fix it with the black knob on back of the holder.

The dop holder you have to put on top of the plate (5) and you can fix it for right- or left hand use. For fix the holder you will find a small screw on side of it.

After plug in the plug into the electricity the instrument is ready to work with it.

1 - Illumination

The built in lamp for the bright field illumination is a specialised LED with a brightness like a 250W halide bulb.

The main switch (6) you will find on front side of the base.

!! WARNING !!
Push plug before opening the base.

Elements for use of the IGISCOPE:



1. Eyepiece 10x/21 br.foc, adjustable
 2. Magnifying changer
 3. Control knobs
 4. Mirror
 5. Table with holder
 6. Main switch
 7. Control knob for light intensity
- Magnification with Zeiss Stemi 2000 and eyepieces 10x: 6,5x-50x
Voltage: 230V/50-60Hz.

9 - Options

Pair of eyepieces 25x - for higher magnification up to 125 x

Photo and video adapter on demand for different cameras.

Standard equipment

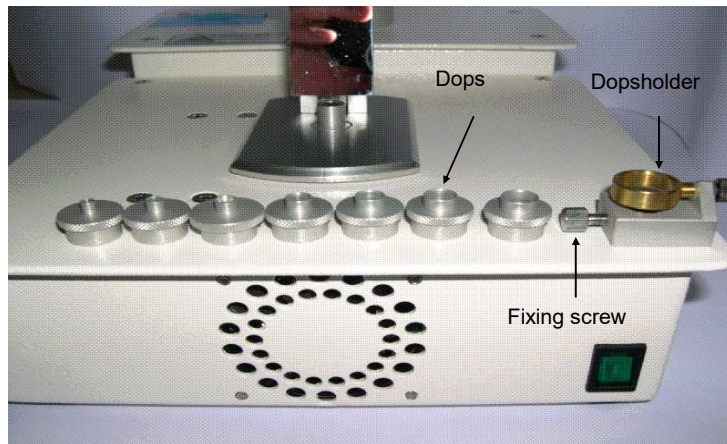
Pair of eyepiece 10x/br. foc 21

Incident illumination

7 pieces of dops: 4mm, 5mm, 6mm, 7mm, 8mm, 9mm and 10mm;

7 pieces of dops: 4,5mm, 5,5mm, 6,5mm, 7,5mm, 8,5mm, 9,5mm, 10,5mm.

Dops holder with tilting device.



NOTE

In case of an electrical defect, do not try to repair it your own.

You have to send it to our company, because we are using only high end electronical parts.

Also the electronical parts have to adjust on the LED.

2 - Magnification changer

The magnification changer (2) is found on both sides of the optical system. It allows you to change the magnification.

3 - Control knobs

The control knobs (3) are found on both sides of the optical holder. They serve for sharpness of the image.

4 - Mirror

The mirror is using for looking into the stones from side. You can tilt it under ca. 30° from the front to the back position.

5 - Table with holder for the dops

For mounting the dopsholder on top of the plate.

6 - Main switch

For switching on and off.

7 - Control knob for the intensity of light

Herewith you can regulate the intensity of the light.

8 - How to use the stoneholders (dops)

You have to fix the stone on a dop. The dop should be smaller around 1 millimeter as the diameter of the stone.

Now you can turnable the stone by 360° and you can tilt it under ca. 30°.

The table is movable so that you can determine every facette in the right position for checking.

You have to move the table to the front of the instrument. Than you have to look through the optic and focus it new.

Than you can determine the stone like before.

For the backside you have to turn the stone on the table. The procedure is the same as above.