

DIAMET - manual

DESCRIPTION

Diamet is determined for showing black-and-white and colour positive pictures, made through Stereomikroma camera. Pictures are inserted into a reel (7 pairs). It is shown only one picture of stereoscopic pair.

Diamet is determined mainly for amateur projection. We can use 220 V AC or DC voltage. The switch is situated on the feeding cable and turns on and off the projection lamp.

Because small size of slides tasks mightiness of luminous flux and quality projection, projector is equipped with powerful projection lamp and quality lens.

Projection lamp Tungsram 220 V, 100 W with the base Ba 15s is used as a luminary. This lamp fits luminous improvement for so small size of slides.

If the voltage is different from 220 V, it is needed place into the device projection lamp with the same base and voltage as in distribution network.

Luminous flux of the lamp is concentrated by single-lenticular aspherical condenser situated in front of the lamp. There is a adjustable spherical mirror behind the projection lamp, so that luminous flux of the lamp is fully optimized. Heat filter is entered in front of the condenser to prevent slides from superheating.

The lens of the projector is triplet irregular anastigmat Miron 1:2.8, $f = 40$ mm. Lens surfaces are antireflectional.

Stereo-reels are placed in the hole of the device. The lever on the side of the device turns a reel. By pressing the lever we turn the reel to the next slide. The lever returns automatically to original position.

The whole shape of the device is aesthetically at the high level. It is made from pastel shaded plastic. Projector is placed in the paper box for the dispatch.

Size of the device in the box is 200x150x140 mm. Weight of the device is 1 kg, weight including the box is 1,3 kg.

PREPARATION FOR PROJECTION

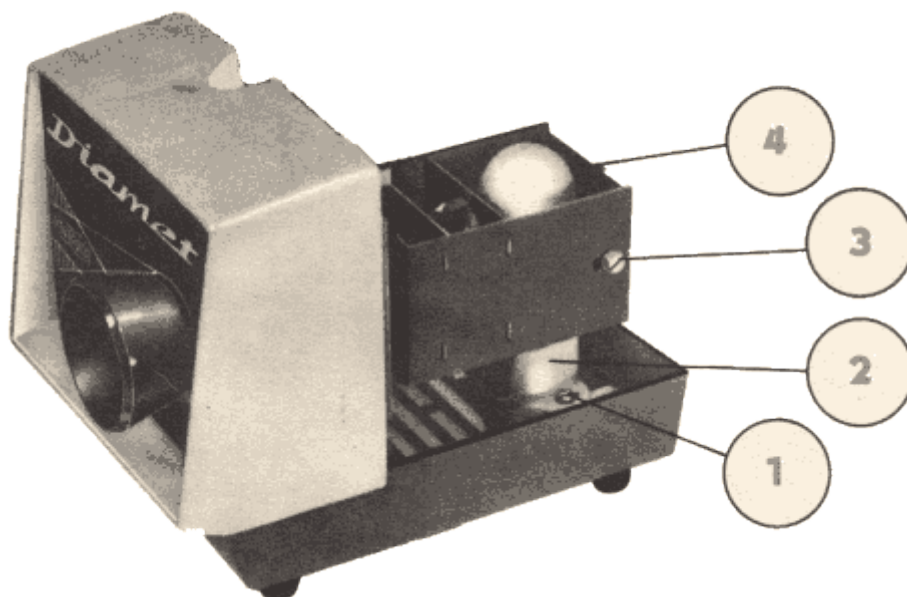
First of all we ensure what voltage is at the place of projection. In a factory is the projector equipped with 220 V lamp. If the voltage is only 110 V, we need to change the lamp - in this case 110 V lamp.

Now we plug the power cord into the socked and turn on the lamp.

We insert the stereo-reel into the lengthwise hole of the device. Spinning of the reel goes about the lever. Pictures focusing goes about rotation of the lens.

CHANGING LAMP

We can only change the lamp, when the device is unplugged. We put the screw on the bottom off and take off the instrument housing upwards. Now we press lamp softly down, at the same time turn it anticlockwise and then take out it upwards from the base. We insert new lamp into the base in reverse order of steps.



LIGHT ADJUSTMENT

After changing lamp is not usually needed adjust the light. By failure or cleaning is possible adjust the light as follows:

- a. We take off the mirror and screw out the lens.
- b. In front of the lens hole (lens is taken off) we place opaque strip of paper and after loosening 2 screws (1) we adjust the base with the lamp (2) so as the picture of the filaments was roughly in the centre of the screen. Then we put the screws on again.
- c. We place the the projector 2 - 3 m from the screen and reflective mirror (4) adjust as shown on the picture. We have to pay attention to sharpness filament after mirror reflection. I should be roughly the same size and sharpness as a filament of the lamp. After tighten the screws (3) check again rightness executed service.

CLEANING

We clean the projector from the dust with a soft brush, that we don't use for other purpose. We clean lens surfaces with a clean batiste cloth.

GENERALLY

As in case of other optical devices we must keep the projector out of often changes of temperatures. If we take the device from cold to warm, we have to wait as long as it get warm. Failing that the picture will be not clear. We have also realize that projection lamp is sensitive to shocks. In order that by carrying and especially by projection, when the filament white-hot is, keep out the device of shock and useless overheating.

It is our belief that you will follow instructions. We want to wish you a lot of pleasant time and nice evenings by projection your stereo-reels.



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