

TTL/SPOT PRISM VIEWFINDER

for KIEV-88, ARAX, HASSELBLAD cameras

Instruction for use

1. GENERAL

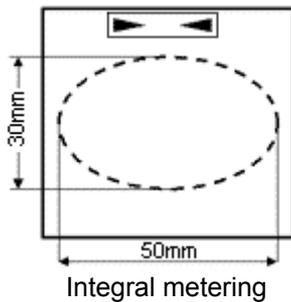


The prism viewfinder TTL/SPOT is used as an interchangeable one for KIEV-88 (Hasselblad) series cameras and ensures obtaining of direct image of the photographed object in viewing.

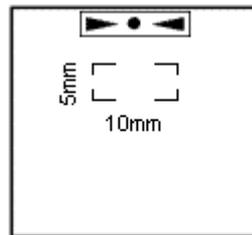
It permits to determine an exposure time and diaphragm aperture with the aid of built-in exposure meter and has two exposure metering modes: integral (TTL) and spot modes.

The integral metering is carried out in the central area of the viewfinder field of view. The central area has an oval shape of 30x50 mm sizes.

The spot metering sensitive zone is in the restricted area of rectangular shape of 5x10 mm sizes.



Integral metering



Spot metering

2. SPECIFICATIONS

Integral metering range, cd/m^2	2-16000
Spot metering range, cd/m^2	8-16000
Supply voltage, V	4.5 (3x1.5V cells, \varnothing 11.6mm)
Visible image field, mm	53x53
Magnification, ...X	3
Overall dimensions, mm	76x79x126
Weight, kg	0.53

3. VIEWFINDER TTL/SPOT EXPOSURE METERING

To prepare the prism viewfinder TTL/SPOT for operation mount it on the camera and then set on the calculator the following:

- Film speed by turning ring 4 until the required film speed value in ISO units appears in window 1;
- Lens speed by turning scale 3 until the corresponding lens speed value coincides with the index.

The lens speed is the number corresponding to the maximum relative aperture.



The exposure is determined with the camera shutter cocked.

Having pressed the exposure meter circuit actuating button select the required operation mode (TTL or SPOT).

The luminescence of the middle signal  means that a spot-metering mode is ON. With luminescence of extreme signs the TTL metering mode is on.

To change the metering mode it is necessary to press the exposure meter actuating button once more. When the exposure meter is on "Much light" sign  or "Little light" sign  is lighted.

While observing through the eyepiece aim the camera at the photographed object so that its image will be in the limits of viewfinder metering zone.

With the viewfinder button on in the upper part of field of view depending on the object brightness you will see the luminescence of "Much light" sign  or "Little light" sign 

Slowly turning ring 2 of the calculator achieve simultaneous luminescence of both signs. With the calculator in this position choose the "exposure - diaphragm" pair required for photographing For example, exposure 1/30s is opposite diaphragm value 2.8, 1/15s is opposite 4, 1/8s is opposite 5.6, 1/2s is opposite 11. Set the chosen exposure and diaphragm values on the camera exposure scale and the diaphragm aperture on the tens scale.

4. REPLACEMENT OF POWER SUPPLY SOURCE

The serviceability of the power supply source is controlled by means of fighting signals, which light up in the field of vision of the viewfinder eyepiece.

The absence of sign luminescence with the button depressed means that the power supply source should be replaced.

To replace the cells unscrew the cap of power supply source seat and observing the polarity insert the new cells ("—" sign is engraved on the cap).

5. CARE AND STORAGE

Protect the viewfinder from dust, moisture, abrupt jerks and jotting. Store it in the dry premises at a normal temperature. Slightly wipe the external surfaces of optical components with a clean cloth if dirty.

6. ACCEPTANCE CERTIFICATE

It is hereby certified that the prism viewfinder TTL/SPOT for KIEV-88 camera, serial # _____ is found fit for service.

Date of manufacture _____

Accepted by _____
signature



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