

EXCLUSIVE ARAX TTL METERED PRISM

for KIEV-88, ARAX, and HASSELBLAD cameras

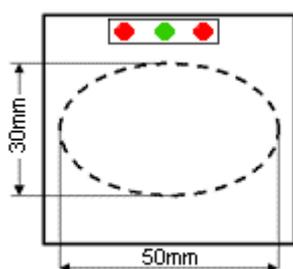
Instructions for Use



1.GENERAL

The ARAX TTL metered prism is a high quality TTL electronically-metered prism viewfinder with three control LEDs, a battery charge indicator and many other new capabilities.

This model is equipped with a new comparator circuit, allowing a power range increase from 2.2 to 4.5 Volts. Returning to the three-position indicator (three LED) system boosts metering accuracy. Low battery indication and automatic shutoff are also featured.



The built-in exposure meter with three LED indicators provides direct through-the-lens metering. This meter measures the integrated brightness of the image on the focusing screen of the camera.

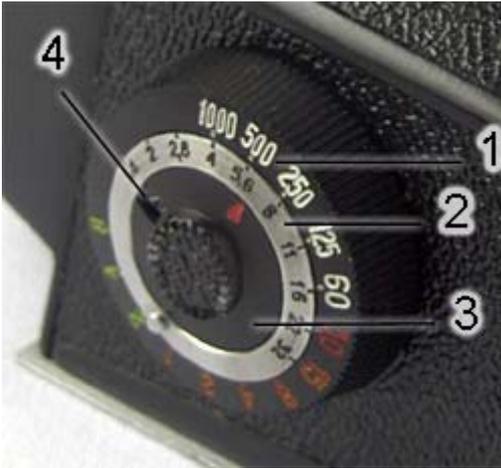
The addition of the TTL metering system to the medium format camera body creates a more flexible photographic tool due to the advantages of greater metering accuracy and faster operation.

The 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.

2.SPECIFICATIONS

Metering range, cd/m^2	2-16000
Film speed scale range, ISO	8-3200
Shutter scale range, sec	1/1000 to 8
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. OPERATING PROCEDURE



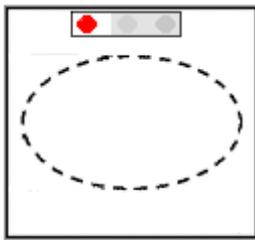
Insert the viewfinder in the finder mount on top of the camera body.

Set the film sensitivity on the calculator 5 by turning the film speed setting dial until the film speed value in ISO units appears in the ISO window 4.

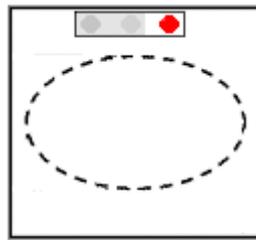
Set the lens speed (the maximum aperture of the lens you are using) by turning the aperture dial ring 2 until the lens speed value coincides with the index.

Turn on the prism pressing the ON-button 8. The exposure meter will operate in the average from 20 sec to 2 min according to the adjustment of timer. Then it will be automatically turned off. To turn it ON again, press the button 8 again.

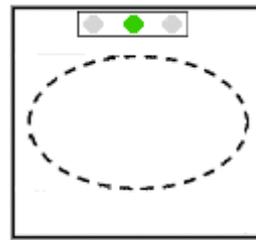
Via the viewfinder eyepiece 9, compose your image. Depending on the brightness of the object, in the upper part of the viewfinder field of view you will see the illumination of one of three LEDs.



underexposed



overexposed



correct exposure



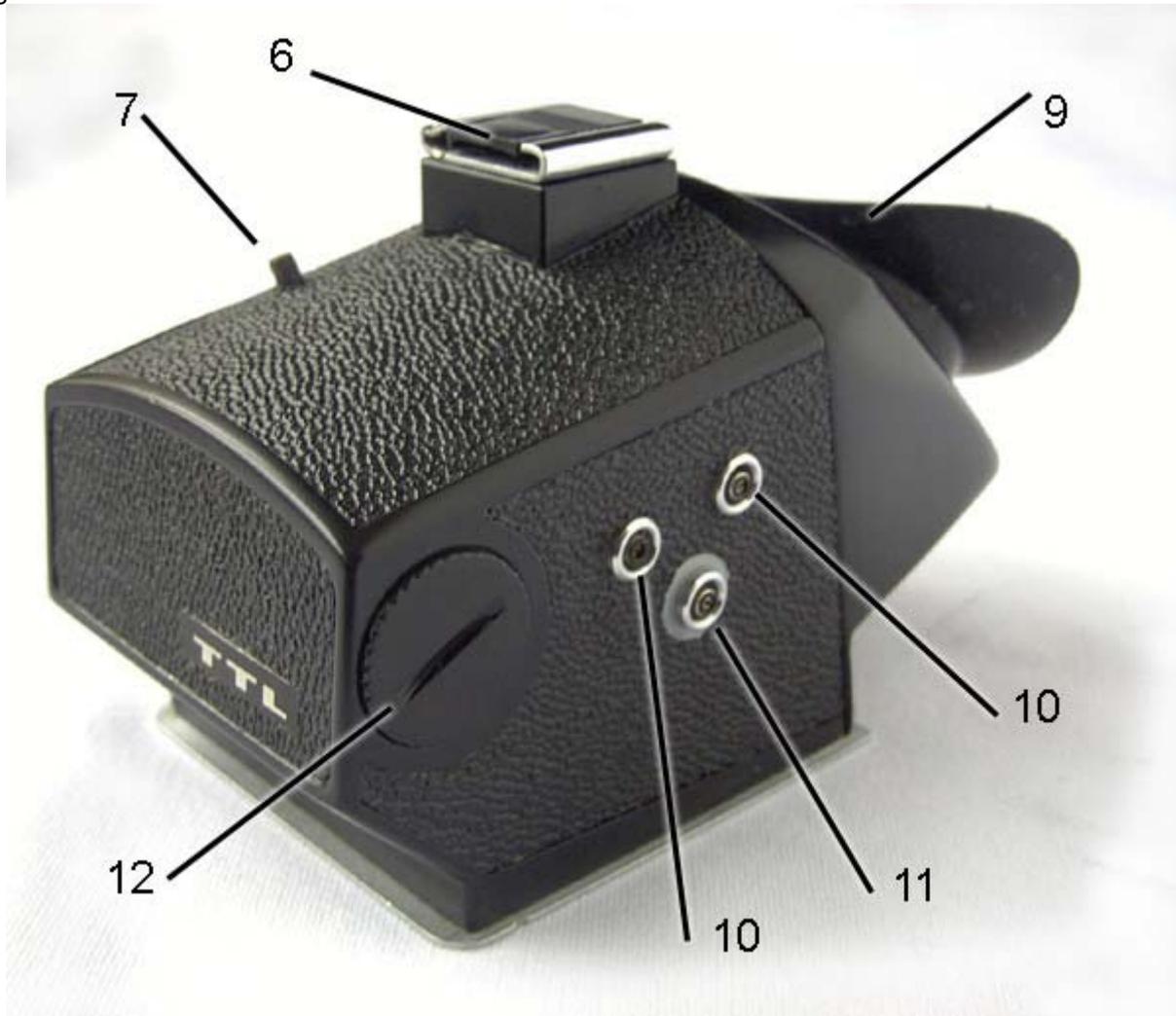
If you see the "underexposure" red LED, located on the left in the viewfinder field of view, slowly turn the exposure dial knob 1 counter-clockwise until the "correct exposure" green LED, located in the center, appears.

If you see the "overexposure" red LED, located on the right, turn the calculator knob clockwise until the center green LED appears.

With the calculator in this position (green LED is lit), choose the required "exposure-aperture" pair by using the exposure dial and the aperture dial.

Set the desired exposure and aperture on the camera exposure scale and lens aperture scale.

The viewfinder eyepiece 9 design allows the use of diopter lenses. To install a diopter lens, unscrew the clamp ring of the viewfinder eyepiece, set a dia. 23mm lens into the fitting socket and fasten it by the clamp ring.



This model of prism has a unique top-mounted flash shoe 6. There are three PC sockets on the left side. One inlet 11 – below and two outlet 10 – above. This allows you to use three electronic flashes simultaneously: one flash mounts on the top-mounted flash shoe 6, two others connect to the PC sockets 10. The prism's inlet PC socket 11 (indicated with red or white mount) should be connected by cable with camera's PC socket. When connecting a charged electronic flash, its spontaneous release may occur. If this happens, remember to allow sufficient time for the flash to recharge again.

Additionally, the electrical circuit inside the camera is not at load and is not dependent on the contacts' polarity, including the flash. For convenience and reliability, the Prism is equipped with a flash test button 7.

4.REPLACEMENT OF POWER SUPPLY SOURCE

As a power source, use three A76, LR44 or G13 4.5V cell-type batteries (11.6mm x 16.2mm).

Battery life is about 120 hours of non-stop operation.

When the battery power falls below 2.8V, the central green LED starts to blink. As it continues to drop, the frequency of the pulsations will increase. This indicates that the batteries must be replaced.

To replace or install the batteries, unscrew the battery chamber cap and, taking care to observe the polarity ("+" on the battery cells should be placed in contact with the "+" symbol on the rear of chamber cap), install them into the chamber. Replace the battery chamber cap. Never mix old and new batteries. Dispose of your old batteries properly.

5.CARE AND STORAGE

This is a precision electro-optical device! Protect the viewfinder from dust, moisture, abrupt impacts and other abuse. Store it in a dry place at a normal temperature. Gently wipe the external surfaces of optical components with a clean soft cloth or lens tissue if dirty.

Congratulations on your purchase! We are sure you will enjoy many years of fine photography with your new ARAX Meter Prism!

6.ACCEPTANCE CERTIFICATE

It is hereby certified that ARAX prism viewfinder serial #_ _ _ _ _ is tested and found fit for service.

Date of manufacture _ _ _ _ _

Accepted by _ _ _ _ _
Technician signature



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