

WARRANTY

Within a year after purchase, any repairs necessary to this KODAK INSTAMATIC Camera due to a manufacturing defect will be made, or at our option, the camera will be replaced without charge. No other warranty, express or implied, shall be applicable to this equipment. Nor are we responsible for loss of film, for other expenses or inconveniences, or for any consequential damages occasioned by the equipment.

In case of a manufacturing defect, the camera should be sent through your retailer or directly to Eastman Kodak Company or a repair firm authorized by us to make such repairs. It should be accompanied by a description of the trouble encountered and other available information regarding the camera, including the date and place of purchase.

Consumer Markets Division **Kodak** Rochester, New York 14650

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KODAK INSTAMATIC® X-30 Camera



X-30

 **BROWNIE** Cam
WWW.BROWNIECAM.COM

KODAK INSTAMATIC® X-30 Camera

With your new camera, you enter a world of effortless picture-taking—no setting of any kind is required. You can take pictures of scenes illuminated by sunlight, room light, streetlights, floodlights, candles, and many other light sources—the electronic shutter *automatically* times the exposure. Take pictures of store windows, sunsets,



floodlighted buildings, or other still subjects in subdued light. Your pictures come alive with a naturally lighted appearance.

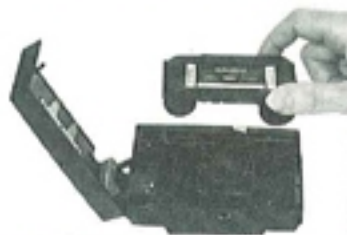
You can also take flash pictures with the self-powered Magicube. (Your camera will *not* use a battery-powered flashcube.) A red warning curtain appears in the viewfinder if a *used* bulb faces forward.



You can take pictures of scenes similar to these with your new camera.



To use your camera, simply do this . . .



1. Drop in cartridge to load camera (page 6). (Note EXPOSURE-CONTROL BATTERY—see page 15 for battery-check instructions.)



2. Push ADVANCE LEVER as far as it will go and allow it to return—repeat until first exposure locks in place (page 7).



3. Aim through Viewfinder—you see your subject clearly (page 9).

4. Partially depress Shutter Release—if red indicator light comes on, place camera on firm support (see page 9) or insert Magicube. Fully depress release to take picture.

... read on for important instructions

KODAK FILMS Your camera uses film in 126 cartridges for instant loading and unloading. Select a film for the type of picture you want.

| Type of Picture | Film | Produces | No. of Exposures | Processing | |
|------------------------|------------------------------------|---|------------------|--------------|--|
| | | | | KODAK Mailer | |
| Black-and-White Prints | KODAK VERICHROME Pan | 3½ x 3½-inch black-and-white prints or enlargements | 12 | None | Order from photo retailer |
| Color Prints | KODACOLOR-X | 3½ x 3½-inch color prints or enlargements* | 12 | DP12 | Order from retailer or Purchase Prepaid Processing Mailer from retailer. Proper Kodak mailers shown at left† |
| | | | 20 | DP20-3S | |
| Color Slides | KODACHROME-X KODAK EKTACHROME-X | Color slides, mounted in 2 x 2-inch cardboard mounts for projection or viewing‡ | 20 | PK20 | |
| | | | 20 | | |

*Color slides are also available from your KODACOLOR-X negatives.

†Duplicate slides or enlarged color prints can be made from your original slides.

‡Color films will be processed and mailed to the address you specify.

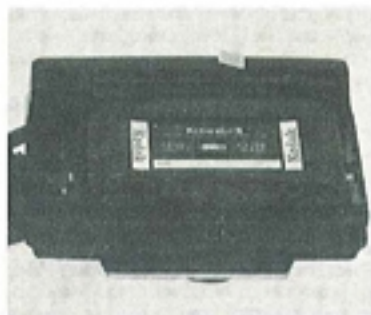
Do not use film with a speed higher than ASA 125.

1



Open the hinged back cover by pushing in the **LOCK BUTTON** and swinging out the cover.

2



Insert a cartridge with the larger cylindrical end **down** and toward the lock button.

3



Close the camera cover by pressing it against the camera body until it locks. (The film name and the number of exposures appear in the window in the cover.)

4

Push the **ADVANCE LEVER** to the right as far as it will go and allow it to return; repeat until the lever locks (about a dozen full strokes). You will see arrows in the center of the window as you advance the film toward the first exposure.

The number (perhaps in duplicate) that you see will serve as an exposure counter. **IMPORTANT:** Disregard this number when you advance the film; **always** operate the advance lever until it locks, or you cannot depress the shutter release.

After you take the last picture, operate the advance lever until all of the yellow paper is advanced past the window **before** you open the camera. If you see an "X" in the window, all the film is exposed but the paper still needs to be advanced. Do not remove the cartridge from the camera until all the paper is advanced past the window; otherwise several exposures may be "light-fogged."

Press in the lock button and open the camera cover. Lift out the cartridge and close the camera. Never open the cartridge, because your pictures will be ruined.

NOTE: Removing and replacing partially exposed cartridges, even under darkroom conditions, may result in the loss of at least one exposure.

AUTOMATICALLY TIMED EXPOSURES



8

Your camera's electronic shutter is set automatically by the amount of light reflected to the ELECTRIC EYE by the subject. The shutter speeds range from 1/125 second to 10 seconds or longer (lower light levels require longer exposure times). The camera's indicator lights come on when the exposure is longer than 1/45 second—the camera must be on a tripod or other firm support for these longer exposures. For convenience in making long exposures, install a cable release in the SOCKET.

While taking pictures, make sure that the electric eye is not covered by your fingers or any other object, and that the camera is not pointed directly toward the sun or other unusually bright light source. Otherwise, exposures will be incorrect.

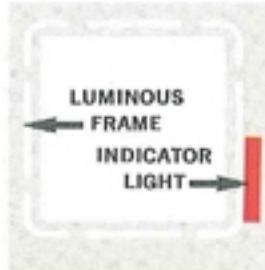
Taking the picture

- Keep at least 4 feet from your subject for sharp pictures.
- Bring the rear opening of the viewfinder close enough to your eye for you to see all four sides of the LUMINOUS FRAME in the finder. Then frame your subject the way you want it to appear in your picture.
- Hold the camera steady and *partially* depress the SHUTTER RELEASE. If the INDICATOR LIGHT does not come on, fully depress the shutter release to take the picture.

IMPORTANT: If the indicator light comes on, ANY camera or subject movement during exposure will cause blurred pictures. To avoid camera movement, you must place your camera on a tripod, a solid, flat support such as a table or wall, or the optional Kodak Compact Camera



The Kodak Compact Camera Stand provides firm support and adjusts to any position.



9

Stand (with cable release). Then hold the camera firmly on its support, press the cable release and hold it until the indicator light goes out. (The indicator light is visible both in the viewfinder and on top of the camera.)

- Operate the advance lever repeatedly until it locks (1½ to 2 strokes). The camera is ready for the next picture.

Double-Exposure Prevention—You cannot depress the shutter release unless you operate the advance lever until it locks. Never force any camera operation; review the instructions to check correct operation.

NOTE: The color films listed on page 5 are intended primarily for daylight or blue-flash illumination. Pictures taken by tungsten light may appear orange; pictures by fluorescent light may appear green.

FLASH PICTURES



Your camera features easy, rapid flash picture-taking with the self-powered Magicube. As you advance the film, the cube rotates to bring one of its four blue bulbs into firing position.

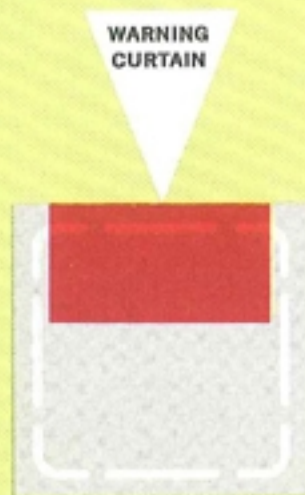
Distance—When you make flash pictures, the camera-to-subject distance *must be between 4 and 9 feet* with all the films listed on page 5.

Taking flash pictures

- **Insert a Magicube**—Insert a cube into the socket on top of the camera; then press down on the cube until it snap-locks in place with one of its four sides facing forward. If a *used* bulb faces forward, a red WARNING CURTAIN appears in the viewfinder (see page 12).



IMPORTANT: Be sure to use only the self-powered Magicube. You may damage your camera if you try to use battery-powered flashcubes.



NOTE: With a Magicube in the socket, the shutter speed is mechanically set at 1/45 second. No automatic timing takes place for flash pictures. Disregard indicator lights when taking flash pictures.

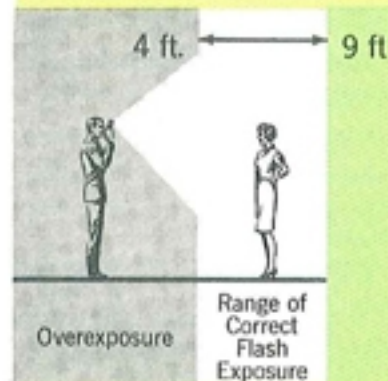
The cube rotates one-quarter turn as you advance the film, thus providing flash for four successive exposures *if a fresh cube is in place*. To use a partially used cube, insert the cube with a fresh bulb forward after the film has been advanced. Remember that the cube rotates clockwise to bring a fresh bulb into firing position. If you need to rotate a cube by hand, rotate it in a *clockwise direction only*. To remove the cube, simply lift it off the camera.

- **Check the distance**—The camera-to-subject distance is very important for proper flash

exposure. Therefore, *make sure* that the subject is *no closer than 4 feet or farther than 9 feet from the camera*.

- **Take the picture**—View your subject by bringing the rear opening of the viewfinder just close enough to your eye for you to see all four sides of the luminous frame in the finder. Then frame your subject the way you want it to appear in your picture. Slowly press the shutter release to flash the bulb and take the picture. Then advance the film to the next exposure.*

*If for any reason neither the shutter release nor the advance lever operates, remove the Magicube. Then advance the film before taking another picture.



KEEP WITHIN THE FLASH RANGE

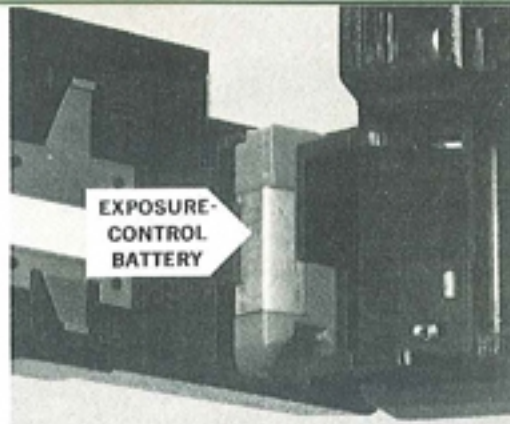
- Closer than 4 feet?
Unsharp, overexposed pictures.
- Farther than 9 feet?
Underexposed pictures.

Don't Waste Film on These Extremes

CLEANING—Clean the picture-taking and viewfinder lenses when necessary by blowing away any dust or dirt. Then breathe on the surfaces and wipe them gently with a soft, clean, lintless cloth.

EXPOSURE-CONTROL BATTERY

To power the camera's indicator lights and electronic shutter, a 7R-31 four-volt mercury-alkaline battery is supplied installed in your camera. Remove the battery from the camera if you don't use your camera for a month or more. Replace the battery after about a year of use (mark the date on a new battery when you install it).



Cleaning the battery

1. Open the hinged back cover of the camera. (The camera contacts retract as you open the camera.)
2. Slide the battery out of its holder. Clean the battery and camera contacts with a rough cloth. Rein-

stall the battery. (The camera cover will not close if you insert the battery the wrong way.)

Checking the battery

Before you insert a cartridge of film, check the battery condition as follows: (1) Close the camera cover. (2) Swing out the advance lever as far as it will go and allow it to return. (3) Cover the electric eye with your finger. (4) Look at the lens while you depress and *hold* the shutter release for approximately 5 seconds.

If the battery is okay, the shutter will remain open until you remove your finger from the release.

If the battery is weak or dead, the shutter will open and close immediately (1/200 second); install a new battery.

NOTE: If the indicator light does not come on when you are taking pictures under low-light levels, the battery probably is bad and should be cleaned or replaced. To change the battery when the camera is loaded, place the camera (lens down) on a flat surface and open the cover. Hold the cartridge in place with one hand as you change the battery with the other hand; then close the cover.

If you haven't taken the indicated exposure, do it now. When you operate the advance lever, the film may not advance immediately. Cover the lens and alternately operate the advance lever and shutter release until the next exposure locks in place—the camera is ready for normal use.

PHOTO AIDS . . . available from your photo retailer. You can extend your picture-taking scope and enjoyment with the aids described below.

KODAK INSTAMATIC Field Case, Model K—This attractively lined, molded field case will provide maximum protection for your camera. The special drop-front design permits instant picture-taking, loading, and unloading without removing the camera from its case. Fasten the camera in the case by tightening the screw in the base of the case into the tripod socket in the base of the camera.

KODAK Compact Camera Stand (with cable release)—The stand screws into the camera's tripod socket to hold the camera firmly during long exposures. A cable release (supplied) stores in the base of the stand.

Kodak Publications—The keys to snapshot fun and success are found in **Picture the Fun with Your KODAK INSTAMATIC® Camera**. Your photo retailer will be glad to show you this and other inexpensive books on photography.

MORE INFORMATION—If you have questions about the use of this camera, write to Eastman Kodak Company, Photo Information, Dept. 841, 343 State Street, Rochester, New York 14650.

HELPFUL HINTS FOR BETTER PICTURES

Taking pictures with your camera is fun and easy. We believe you'll be happy with the many fine pictures it turns out for you. If, occasionally, one of your pictures isn't all that you expected, consult the chart below. When you know what went wrong, you can make sure it won't happen again.

| WHAT HAPPENED | PROBABLE CAUSE | CORRECTION |
|------------------------------|--|--|
| Daylight pictures too dark. | (a) Weak or dead battery (lack of power to electric eye). (b) Battery needs cleaning (lack of power to electric eye). | (a) Check battery. (b) Clean battery. |
| Daylight pictures too light. | Electric eye obstructed during picture-taking. | Make sure electric eye isn't obstructed by fingers or other object. |
| Flash pictures too dark. | Subject too far away from flash. | Keep within distance range shown in table on page 13. Do not waste film on longer distances. |

| WHAT HAPPENED | PROBABLE CAUSE | CORRECTION |
|--|---|---|
| Flash pictures too light. | Subject too close to flash. | Keep within distance range shown in table on page 13. |
| Pictures blurred. | (a) Camera movement. (b) Subject movement. | (a) Hold camera steady; depress shutter release slowly. If indicator light comes on, place camera on firm support. (b) Subject should be stationary if indicator light is on; in bright sun, subject may move slowly toward or away from camera. |
| Subject not centered or partly cut off in picture. | Improper use of viewfinder. | View subject within luminous frame (page 9). |
| Foggy, misty picture. | Dirty camera lens. | Clean lens (page 14). |

SERVICE FACILITIES

If your Kodak camera should require service, complete facilities are provided in Rochester and at Kodak Regional Marketing and Distribution Centers. Also, service covered under the warranty is available through independent service shops in many cities. For such local warranty-covered service, please see your photo retailer or refer to the yellow pages of your telephone directory under Photographic Equipment and Supplies—Retail (Kodak Factory-Approved Warranty Service).

Eastman Kodak Company, Central Equipment Service Center
800 Lee Road, Rochester, New York 14650

Eastman Kodak Company, Regional Equipment Service Center
1901 West 22nd Street, Oak Brook, Illinois 60521

Eastman Kodak Company, Regional Equipment Service Center
2800 Forest Lane, Dallas, Texas 75234

Eastman Kodak Company, Regional Equipment Service Center
5315 Peachtree Industrial Blvd., Chamblee, Georgia 30341

Eastman Kodak Company, Regional Equipment Service Center
9100 Alcosta Blvd., San Ramon, California 94583

Eastman Kodak Company, Regional Equipment Service Center
1334 York Avenue, New York, New York 10021

Eastman Kodak Company, Regional Equipment Service Center
12100 Rivera Road, Whittier, California 90606

Eastman Kodak Company, Regional Equipment Service Center
P.O. Box 1260, Honolulu, Hawaii 96807