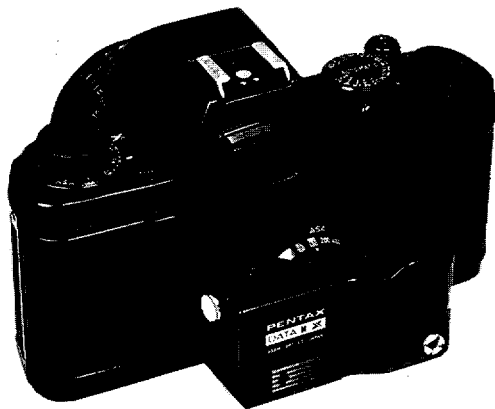


PENTAX

DATA IL X

OPERATING MANUAL



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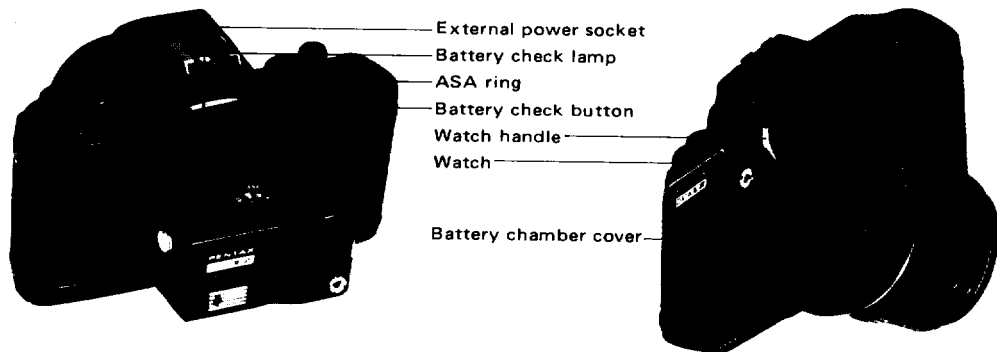
Data LX is a special camera back that interchanges quickly and easily with the standard LX camera back enabling you to record the time or other data directly onto your photographs. For recording the time, it is equipped with a removable watch which displays the hour, minute and second, along with the day of the month that the photograph was taken. It also contains a space in the center to pencil in additional information such as the year, month, AM/PM, or initialed data. Moreover, for situations where it is more convenient to have the entire recording space available for information other than the time, the watch may be removed and replaced with the accessory

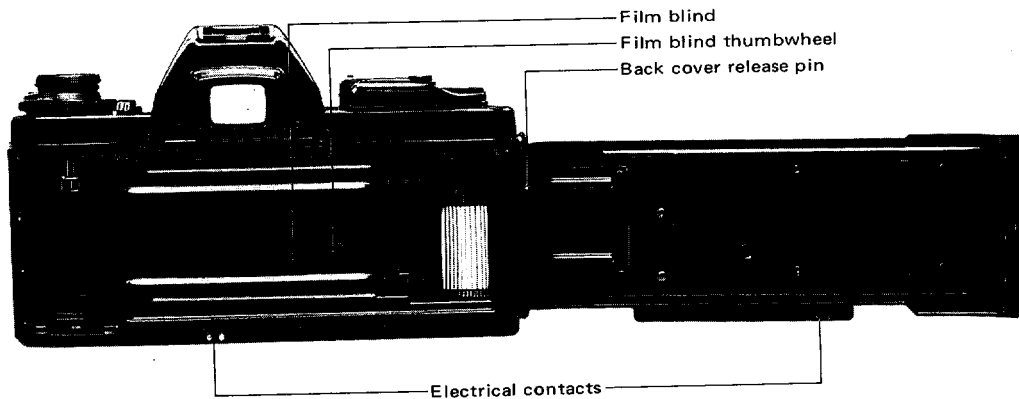
memo recorder unit that contains a ground glass plate in the center for penciling in a variety of information, from exposure data to scientific specifications. The data recording unit operates cordlessly and works in conjunction with the film blind built inside the camera which blocks off a portion of the picture area so that the face of the watch or the data on the accessory memo recorder will print clearly. In addition, there's an ASA adjustment ring so that you can adjust the exposure to match the rating of the film loaded in your camera thus assuring good results with different types of film. The Data LX is also especially handy for sequential or time lapse photography when used in

conjunction with the Winder LX or Motor Drive LX units. It has hundreds of applications in the fields of science and industry, such as recording the daily or hourly progress of work on construction sites, making studies of motion or the growth of plants and animals, criminal investigation, coverage of sporting events, etc. It's also useful for personal photography such as weddings, overseas trips, or get-togethers between family and friends.

Be sure to read these instructions carefully in order to assure maximum performance from the Data LX unit and good results under various shooting conditions.

DESCRIPTION OF PARTS

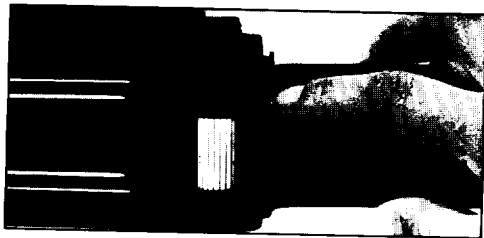




ATTACHING THE DATA BACK

Removing the Standard Camera Back

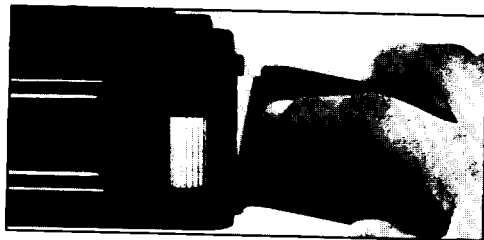
Open the standard camera back and depress the back cover release pin (indicated by the arrow below). Pull the cover outward from the top until it comes loose. (Be sure to place the camera back where it will not be damaged easily.)



4

Attaching the Data Back

To attach the Data Back, reverse the above procedure. First insert the bottom pin of the Data Back into the eyelet ring at the base of the camera. Depress the back cover release pin and align the top pin with the eyelet ring at the top. Release the back cover release pin so that the back cover hinges between the two eyelets.



THE FILM BLIND

The film blind built into the LX camera behind the shutter mechanism is used to block out the corner of the film for recording purposes. It prevents the data from mixing with the subject matter, thus making the watch face difficult to read. Although, data can be recorded with relative success if the subject matter in the upper right-hand corner of the photo is dark against a light background, the data printout will tend to be underexposed.

To Lower the Blind: Before loading the film in the camera, open the camera and lower the blind by turning the small thumbwheel on the lower right-hand side of the shutter counter-clockwise. Remember to return the film blind to its original position after resuming non-data photos. **MAKE SURE YOU AVOID TOUCHING THE SHUTTER CURTAIN WHEN WORKING WITH THE BLIND.**



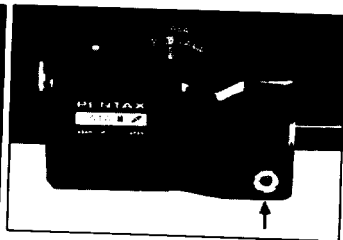
INSERTING THE BATTERY

Remove the battery chamber cover by sliding it in the direction of the arrow. Match the battery contacts with the plus/minus (+) (-) indications inside the chamber and insert the battery.

(NOTE: Be sure that a portion of the vinyl tape inside the chamber protrudes over the battery to facilitate removal when changing batteries.) Close the battery chamber cover by sliding it back

to its original position.

Battery Check: Press the battery check button indicated in the photo on the far right. If the unit is functioning properly, the LED indicator on top of the data back will light. If it fails to light, the battery may be inserted improperly (if new) or worn down (if old). When the battery is exhausted, replace with the equivalent.



Battery Care

For battery replacement, either alkaline Eveready No. 537 or equivalent or silver oxide battery Eveready No. 544 or equivalent may be used. Silver oxide batteries last much longer, but alkaline batteries may prove more economical in some countries.

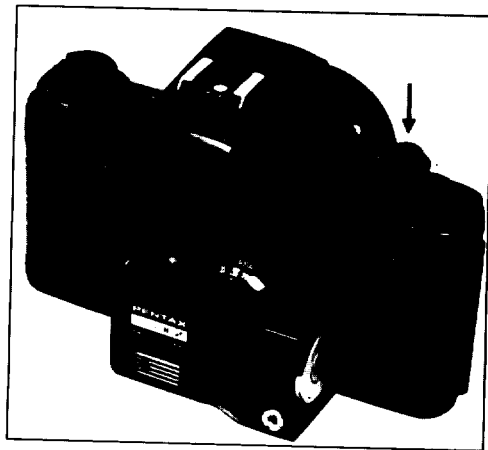
- When not using the data back unit for long periods of time, remove the battery to guard against leakage.
- For shooting in cold climates, the optional battery cord assures uninterrupted operation (See page 14).

Do not throw used batteries into a fire or excessive heat to guard against explosion. Always keep batteries out of the reach of children.

TEST OPERATION

Before loading film in the camera, or during blank exposures, close the data back and trip the shutter to test the data back unit. If the unit is recording properly, the LED indicator on top of the recording mechanism will flash when you release the shutter.

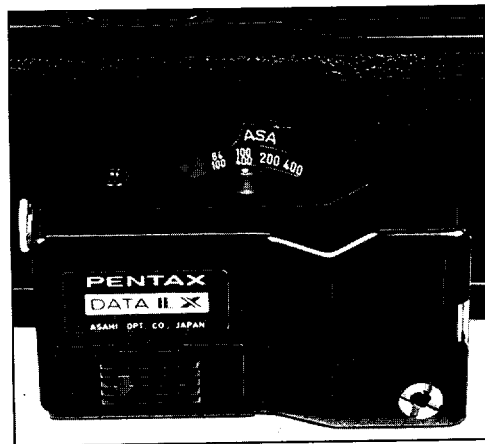
CAUTION: If the cordless contact terminal becomes dirty, the unit may not function. Wipe the contacts with a dry cloth occasionally to keep clean.



INDEXING THE ASA FILM SPEED

The ASA ring on top of the data recording unit features three settings for black & white films (100, 200 and 400) and two settings for color film (64 — 100, and 400). Set the ASA ring to correspond with the film speed of the film loaded in the camera. For color film use the orange figures; for black and white film use the white figures.

IMPORTANT: Incorrect setting of the ASA ring may result in poor exposure of the watch image. Take care that the dial is set properly.



SETTING THE WATCH

Fold out the handle on the back of the removable watch, turn it to the left as far as it will go and remove the watch.

The removable watch functions in the same manner as an ordinary calendar wrist watch.

To wind the watch: simply rotate the winder knob back and forth. **To set the time:** pull the knob out one notch and rotate the hands by winding the



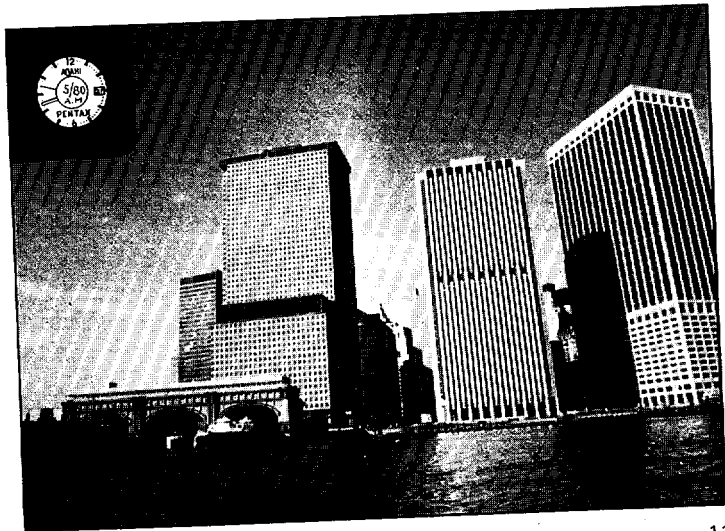
knob toward you. (Avoid winding in the reverse direction.) **To set the day of the month:** pull the knob out all the way, the day will change.

NOTE: When you set the hour, make sure to set it so that the day of the month will change at midnight. If it's 7:00 P.M., for example, advance the hands 19 hours (not 7 hr.) beyond the point where the day changes.

Year Month, etc.: The year, month (AM/PM) or initialed data can be penciled on the ground glass area in the center of the watch face. Use an ordinary lead pencil as it can be erased easily.

Replacing the watch: Once the watch is set, replace it in the watch holder by aligning the red dot of the watch with the red dot on the rim of the holder. Insert and turn to the right until it stops. (**NOTE:** As the recording aperture seals automatically, there is no danger of exposing the film while the watch is removed.)

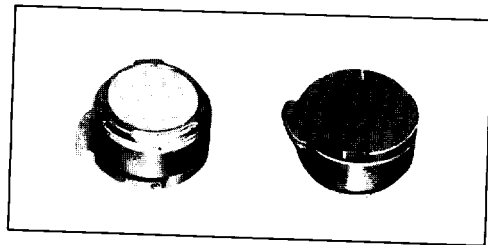
Watch face or face of
Memo Holder (recording
area is blocked out by
film blind)



THE ACCESSORY MEMO RECORDER

The accessory Memo Recorder unit is exactly the same size as the watch and is supplied along with it. It can be interchanged with the watch and is handy where you wish to use the entire recording space for penciled data, in place of the time. With the Memo Recorder you can pencil in all kinds of information, such as alphabetical and numerical codes, scientific notes, and other technical data—even catch phrases for snapshots can be printed directly onto your photos. The Memo Recorder inserts in the holder at the side of the data back in the same manner as the watch.

- When writing data on the Memo Recorder, use a lead pencil so that it can be erased easily. Also, keep the black dot on the rim of the face of the recorder at the top.



SHOOTING TIPS

- When the data back is used, the camera operates in the same manner it would without the data recording unit attached, except that the data is automatically printed in the upper left-hand corner of the photo. As this area is blocked off for the watch face or other data during recording, be sure to exclude important subject matter from this portion of the photo.
- When you wish for the data back unit not to record, remove the battery. As the film blind is still lowered, however, the upper left-hand corner of the photo will be blacked out.
- Raise the film blind at the end of the film roll when you no longer intend to record data.
- When using the data back without the film blind lowered, be sure that the background is dark (if the background is light, the face of the watch will not be exposed clearly).
- Always keep either the watch or the Memo Recorder in the holder at the side of the data recording unit to prevent dust and other matter from entering the data recording unit.
- When shooting in cold climates, use a new battery or keep a spare (that has been kept at warm temperatures) on hand to ensure uninterrupted operation. The optional Battery Cord is also a sure way to ensure consistent performance in cold climates (see page 14).

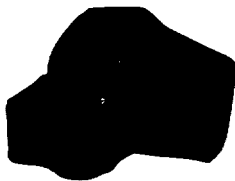
OPTIONAL ACCESSORIES

LX Soft Case

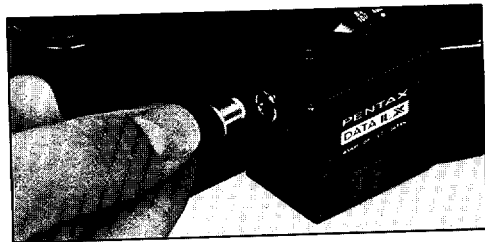
This handy case was especially designed for carrying the camera with the data back mounted. It fits snugly over both the camera and the Data LX unit, protecting both from dust and scratches.

Battery Cord

The Battery Cord for Data MX can also be used in conjunction with Data LX. This handy accessory cord is 1.2 meters in length and features a battery case at one end which holds the battery for the data back as a remote power source. It permits use of the data recording unit even in climates down to -5°C .



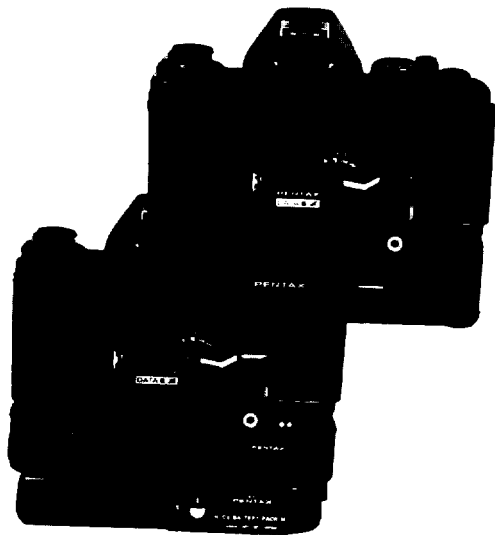
To Attach the Cord: Remove the cap covering the external power socket of the data recording unit illustrated below and plug the battery cord into the socket. Remove the battery from the battery chamber of the data back and insert it in the battery case at the other end of the battery cord, in accordance with the plus/minus diagrams inside the case. Keep the battery case in your pocket or wrapped in warm cloth to ensure uninterrupted operation when using the data recorder in cold climates.



WINDER LX, MOTOR DRIVE LX

The Data LX can also be used with the Winder LX and Motor Drive LX. As the flash duration of the data recording unit is extremely short, it is capable of synchronizing with both units regardless of the film advance speed, including the top speed of 5 frames-per-second of the motor drive.

In addition, when used with the motor drive and the Power Pack M unit, time lapse recordings may be made at preset intervals via the power pack's built-in timer unit.



SPECIFICATIONS

Type:	Data recording unit for Pentax LX camera. Records face of removable watch or Memo Recorder unit on photo.
Method of Mounting:	Interchanges with standard camera back.
Data Recording Unit:	Removable watch indicates data, hour, minute and second; ground-glass area in center for penciling additional information. Watch is interchangeable with Memo Recorder unit which features additional recording area.
Power Source:	One 6V Alkaline (Eveready No. 537) or Silver Oxide Battery (Eveready No. 544 or equivalent). Cordless operation via electrical terminals on data unit.
Position of Recording:	Upper right-hand corner of photo (film blind inside camera lowers to block off recording area).
ASA Ring:	Three settings for black and white film: ASA 100, 200 and 400 (white numerals) Color settings: 64 — 100 and ASA 400 (orange numerals)
Dimensions:	147mm(L) x 54mm(H) x 113.5mm(D) 5.7"(L) x 2.1"(H) x 4.4"(D)
Weight:	125 grams (without batteries) 4.4 ozs.



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