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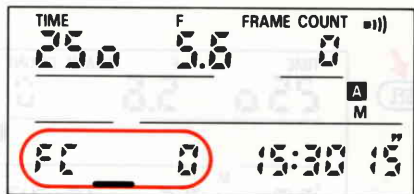
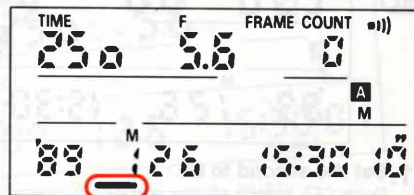
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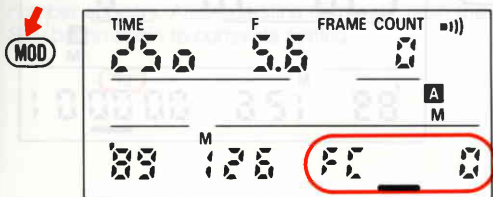
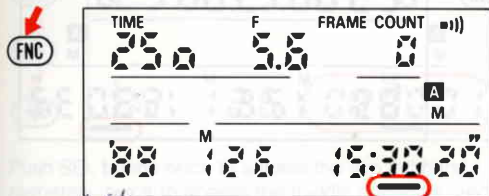
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Frame Count

Push FNC button to select In-Frame or Between-Frames Data Imprint function. Next, push MOD button several times until Frame Count is displayed. You can now imprint the actual film frame number indicated on the camera's frame counter (same as Frame Count display). As you release the shutter, the number in the Frame Count display increases by one whether data is imprinted or not.



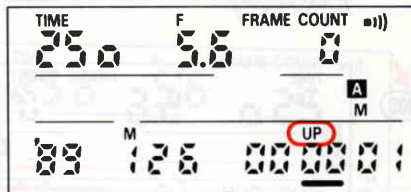
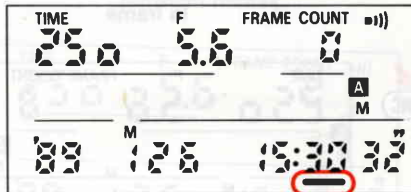
In frame

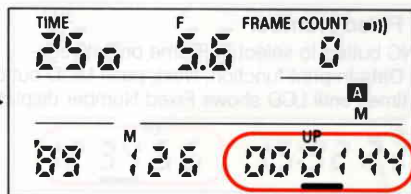
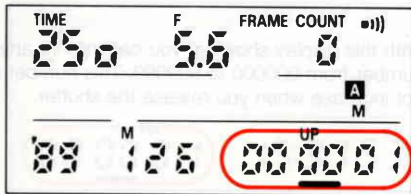


- When the camera's exposure meter is on, the Frame Count display always appears in the MF-23's LCD, regardless of mode setting (except when Film Alarm or Film Stop are activated).
- The number in the Frame Count display cannot be adjusted on the MF-23.
- With multiple exposure shooting, the number in the MF-23's Frame Count display may differ from the camera's frame counter. (Although the MF-23's Frame Counter increases with each exposure, the number in the camera's frame counter increases only after the multiple exposure shooting is over and the film advances to next frame.)
- If you change batteries during shooting, the Frame Count display will be reset to 1.

To Set Sequence Number

Push FNC button to select the In-Frame Data Imprint function. Push MOD button several times until the LCD shows Sequence Number (UP). With this display showing, you can imprint any desired number and it will automatically increase by one each time you release the shutter.





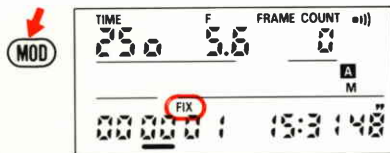
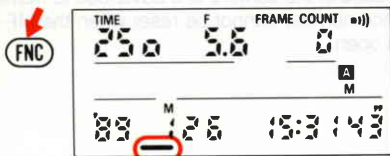
Push SEL button once to access the two left-hand numerals, twice to access the middle numerals, and three times to access the right-hand numerals. To change numerals, push adjust buttons until the desired number appears. After adjusting numerals, push the SEL button again to complete setting.

- Sequence number will not increase if film has not been loaded in the camera and advanced to frame 1.
- Sequence number cannot be reset when the MF-23 back is open.

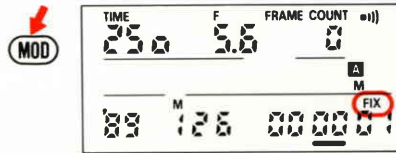
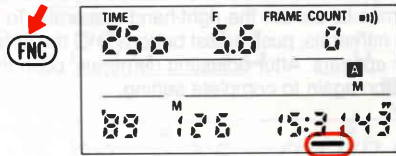
To Set Fixed Number

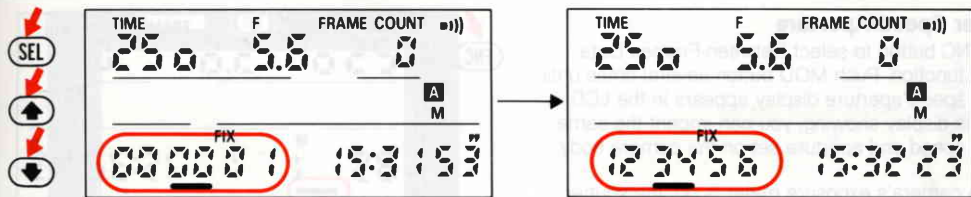
Push FNC button to select In-Frame or Between-Frames Data Imprint function. Next, push MOD button several times until LCD shows Fixed Number display.

Between frames



In frame





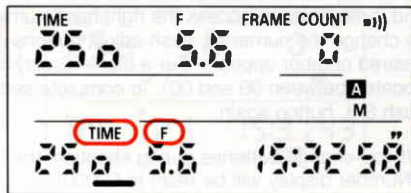
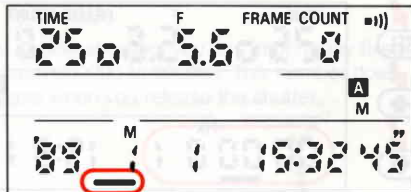
Push SEL button once to access the two left-hand numerals, twice to access the two middle numerals and three times to access the right-hand numerals. To change the numerals, push adjust buttons until desired number appears. For a blank display, set to -- (located between 99 and 00). To complete setting, push SEL button again.

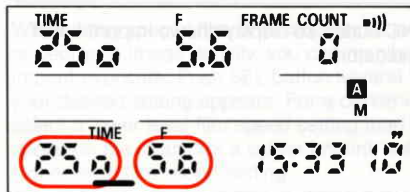
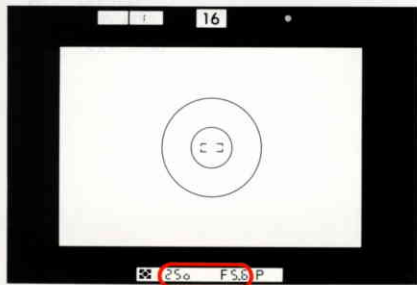
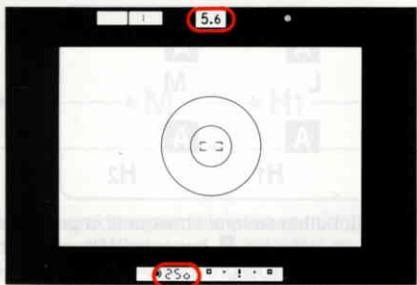
- If you change batteries during shooting, the Fixed Number display will be reset to 000001.

Shutter Speed/Aperture

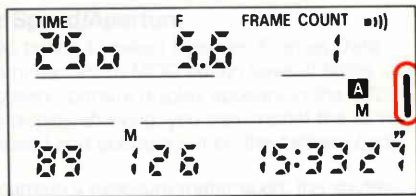
Push FNC button to select Between-Frames Data Imprint function. Push MOD button several times until shutter speed/aperture display appears in the LCD. With this display showing, you can imprint the same shutter speed and aperture set on the camera body.

- When camera's exposure meter is on, the shutter speed and aperture set on the F4/F4s body is always shown in the MF-23's LCD. (With camera's exposure mode at A or M, the aperture shown in the MF-23's LCD may differ from that displayed in the camera's aperture direct-readout window.)
- Shutter speed and aperture display cannot be adjusted on the MF-23.
- With camera's shutter speed at 'B', the MF-23's LCD shows 'buLb'.
- If lens is not set to the smallest aperture setting, the MF-23's LCD shows "EE"; if a lens other than AF-Nikkor/Nikkor lens with a built-in CPU is used, the LCD shows "...".
- Shutter speeds slower than one second are indicated by the " " mark in the LCD.

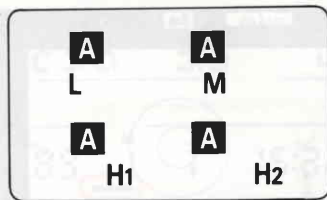




IMPRINT LEVEL ADJUSTMENT



1. Push FNC button so display shows Imprint Level adjust indicator.



2. Push SEL button several times until imprint level auto adjust indicator ^AM appears. With color film, one of the imprint exposure levels—L, M, H1 or H2—will be automatically selected, depending on the film speed set on the camera.

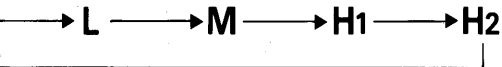


Chart shows correspondence between imprint exposure levels and film speed.

Color Film

L	25-64
M	80-160
H1	200-400
H2	500-3200

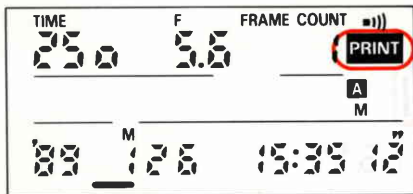
B&W Film

L	100-400
---	---------

When using special film or techniques to increase or decrease image density, you can manually adjust imprint exposure. Push SEL button several time until your desired setting appears. For a darker imprint, select a lower level film speed setting than the ISO speed on the chart; for a lighter imprint, select a higher level film speed setting.
After adjusting imprint exposure level, make test shots.

- When film with ISO speed beyond the listed range is used, data may be incorrectly imprinted.

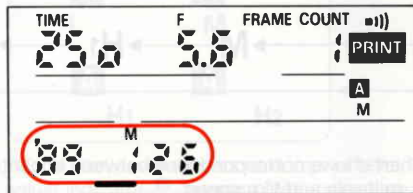
DATA IMPRINTING



1. Push PRN button and confirm Data Imprint function indicator (PRINT) appears in the LCD.

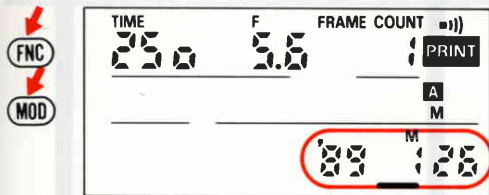
- PRINT does not appear if batteries are exhausted; imprint is impossible.
- To imprint data in continuous shooting, set the camera's film advance mode selector to CL. At CH mode, imprinted data may be blurred.
- To imprint data in Interval Timer operation with two or more shots to be taken for one shooting, set the film advance mode selector to CL. At S mode, imprinted data may be blurred.

Between frames

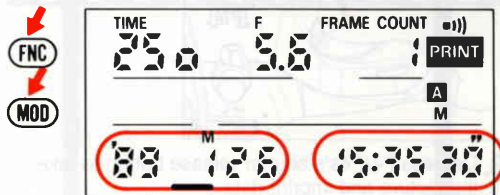


2. Select desired display using FNC and MOD buttons.

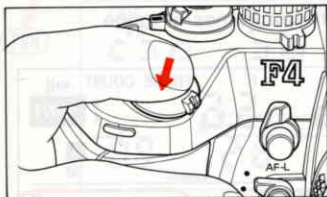
In frame



Between frames/in frame



Releasing the shutter while PRINT is showing causes data selected in Between-Frames and/or In-Frame Data Imprint function to be imprinted, even when the function indicator does not appear and data is displayed for other functions. If data imprint is not necessary, set to no-imprint display.



3. Depress F4/F4s's shutter release button to take the picture and imprint data.

Data will be imprinted in the lower right-hand corner of the picture or between frames, as selected.

- In vertical-format shooting, the position of data imprinted between frames will depend on how you hold the camera.



89 1 26

TIME	F	FRAME COUNT	PRINT
250	5.6		
		A	M
89	M 126		



89 1 26

TIME	F	FRAME COUNT	PRINT
250	5.6		
			A
			M
		89 1 26	

89 1 26

15 35 30

TIME	F	FRAME COUNT	PRINT
250	5.6		
			A
			M
		89 1 26 15:35 30	

Data imprinted between frames:

Year/Month/Day

TIME	F	FRAME COUNT	PRINT
250	5.6		
<div style="text-align: right;">A</div> <div style="text-align: right;">M</div>			
<div style="text-align: right;">88</div> <div style="text-align: right;">M</div> <div style="text-align: right;">126</div>			

26 15 35 30 51 92

Day/Hour/Minute/(Second)

TIME	F	FRAME COUNT	PRINT
250	5.6		
<div style="text-align: right;">A</div> <div style="text-align: right;">M</div>			
<div style="text-align: right;">26</div> <div style="text-align: right;">15:35</div> <div style="text-align: right;">30"</div>			

26 15 35 30 51 92

Fixed Number

TIME	F	FRAME COUNT	PRINT
250	5.6		
<div style="text-align: right;">A</div> <div style="text-align: right;">M</div>			
<div style="text-align: right;">12</div> <div style="text-align: right;">3456</div>			

12 34 56

Frame Count

TIME	F	FRAME COUNT	PRINT
250	5.6		
<div style="text-align: right;">A</div> <div style="text-align: right;">M</div>			
<div style="text-align: right;">FC</div> <div style="text-align: right;">1</div>			

12 34 56

Shutter Speed/Aperture

TIME	F	FRAME COUNT	●1)
250	5.6	1	PRINT
		A	M
TIME	F		
250	5.6		

Blank

TIME	F	FRAME COUNT	●1)
250	5.6	1	PRINT
		A	M

Exposure Compensation Value

TIME	F	FRAME COUNT	●1)
250	5.6	1	PRINT
		-0.3	A
6		-0.3	M

Data imprinted in frame:

Year/Month/Day

TIME	F	FRAME COUNT	PRINT
250	5.6	1	PRINT
<div style="text-align: right;">A</div> <div style="text-align: right;">M</div>			
		M	126
butkas.org			

89 . 1 26

Day/Month/Year

TIME	F	FRAME COUNT	PRINT
250	5.6	1	PRINT
<div style="text-align: right;">A</div> <div style="text-align: right;">M</div>			
		M	189

26 . 1 89

Hour/Minute/Second

TIME	F	FRAME COUNT	PRINT
250	5.6	1	PRINT
<div style="text-align: right;">A</div> <div style="text-align: right;">M</div>			
		M	15:35 30

15 35 30

Month/Day/Year

TIME	F	FRAME COUNT	PRINT
250	5.6	1	PRINT
<div style="text-align: right;">A</div> <div style="text-align: right;">M</div>			
		M	126 89

. 1 26 89

Day/Hour/Minute

TIME	F	FRAME COUNT	PRINT
250	5.6	1	PRINT
<div style="text-align: right;">A</div> <div style="text-align: right;">M</div>			
		M	26 15:35

26 15 35

Frame Count

TIME	F	FRAME COUNT	PRINT
250	5.6	1	PRINT
<div style="text-align: right;">A</div> <div style="text-align: right;">M</div>			
		M	FC 1

FC 1

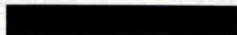
Sequence Number

TIME	F	FRAME COUNT	PRINT
250	5.6	1	
		A	M
		UP	
		000145	

00 01 45

Blank

TIME	F	FRAME COUNT	PRINT
250	5.6		
		A	M



Fixed Number

TIME	F	FRAME COUNT	PRINT
250	5.6	1	
		A	M
		FIX	
		123456	

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12 34 56

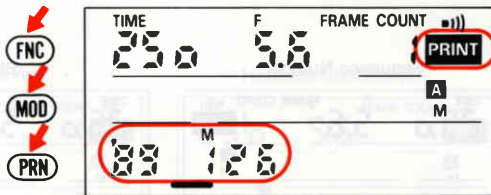
- Imprinted data may be difficult to read against the following backgrounds:
 - a. White or bright colors
 - b. Reddish colors
 - c. Finely detailed subjects, such as grass or leaves
- When shooting multiple exposures, imprint data only on the first exposure. (After the first exposure, push PRN button to cancel imprinting on the remaining exposures.)

INTERVAL TIMER FUNCTION

The Interval Timer function lets you take a specified number of shots at specified intervals for a selected number of shootings.

The maximum interval that can be set between shootings is 99 hours 59 minutes and 59 seconds, and up to 99999 exposures can be taken at one shooting. (Because the limit of most film rolls is 36 frames, however, the film may have to be changed before you can complete the shooting.) The maximum number of shooting intervals at one setting is 99999. Data imprinting is possible during Interval Timer operation.

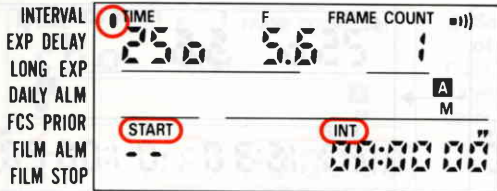
- Always be sure to advance film to frame 1 before you set (or reset) the Interval Timer.



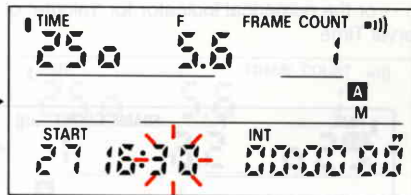
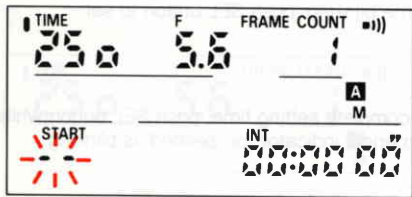
To imprint data during Interval Timer operation:

Select the desired display using FNC and MOD buttons, then push PRN button so the Data Imprint set indicator appears. Releasing the shutter while PRINT is showing causes data selected in Between-Frames and/or In-Frame Data Imprint function to be imprinted, even when the function indicator does not appear and data is displayed for Interval Timer function.

- To take two or more shots for one shooting, set the film advance mode selector CL. At S mode, imprinted data may be blurred.



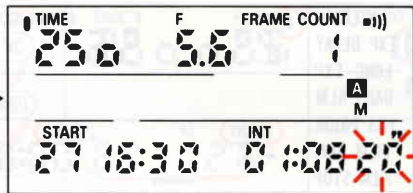
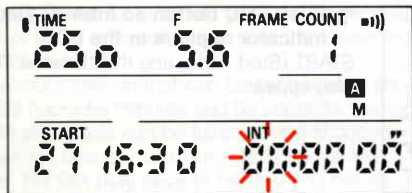
1. Push FNC button so Interval Timer indicator appears in the LCD.
START (Start Time) and INT (Interval Time) also appear.



2. Set start time.

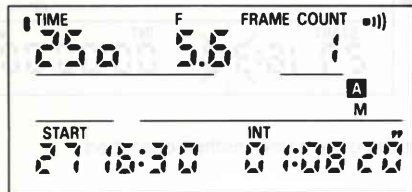
Using SEL and adjust buttons, set display to desired time using the same method described for setting date and time (pages 26 to 33).

- To start the first shooting immediately after setting Interval Timer, adjust the left indication (Day) to -- (located between 31 and 1).

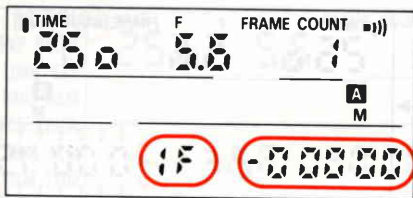


3. Set interval time.

With -- or the numerical indicator for 'minute' of Start Time blinking, push SEL button to set the Interval Time.

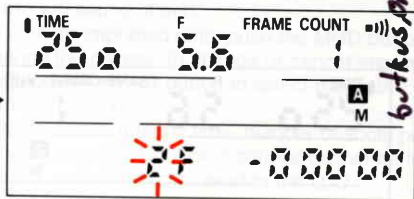
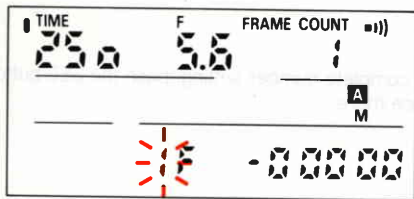


To complete setting time, push SEL button while numerical indicator for 'second' is blinking.

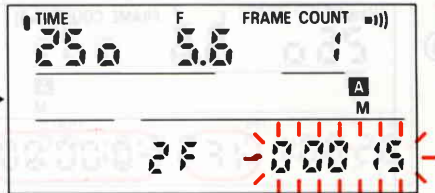
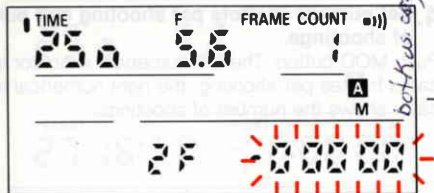


4. Set number of shots per shooting and number of shootings.

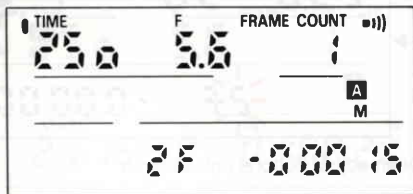
Push MOD button. The left numerical indicator indicates frames per shooting; the right numerical indicator shows the number of shootings.



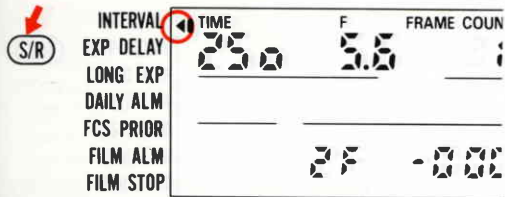
Push SEL button so the left indication starts blinking, then push adjust buttons until desired number appears.



Next, push SEL button so the right numerals start blinking, then push adjust buttons until the desired number appears.



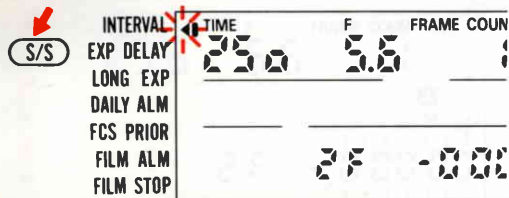
To complete number setting, push the SEL button once more.



5. Push S/R button to complete Interval Timer setting.

Interval Timer set indicator appears.

- If S/R button is pushed when the Interval Time is set at 00:00:00, the set indicator and 00:00:00 will blink twice, set indicator will disappear and the alarm will sound (if set).
- To confirm imprinted data, push the MOD button to change the display. To change or cancel imprinted data, push the FNC button to select the Data Imprint function.
- The start time, interval time, number of shots per shootings and number of shootings cannot be imprinted, even when displayed in the LCD.



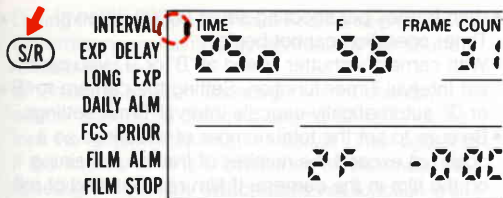
6. Push S/S button to start Interval Timer operation.

Interval Timer set indicator blinks to show Interval Timer function is active.

The first shooting will be taken at set time and date, or immediately if you set date to --.

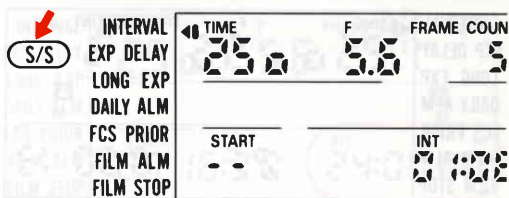
With each shooting, the number of shootings indicated decreases by one.

When all shootings set have been taken, Interval Timer operation stops. The Interval Timer set indicator stops blinking, indicator for number of shooting shows 00000, and numerical indicator for start time resets to --.



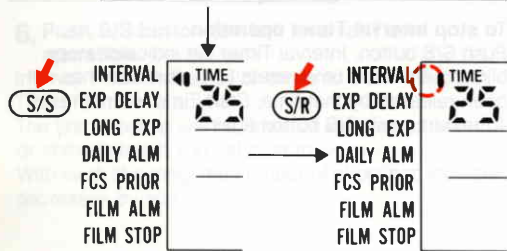
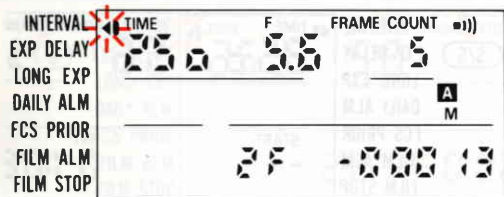
7. Push S/R button to cancel Interval Timer set.

Interval Timer set indicator disappears.



To stop Interval Timer operation

Push S/S button. Interval Timer set indicator stops blinking and start time resets to --. If shutter has not been released by that time, Start Time will not reset. To restart, push S/S button again.

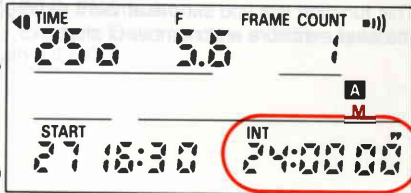


To cancel Interval Timer set during Interval Timer operation, push S/S button, then push S/R button.

- With frames per shooting set at 00000, Interval Timer operation cannot begin.
- With camera's shutter speed at 'B' or 'T,' you cannot set Interval Timer function. Setting the camera to 'B' or 'T' automatically cancels Interval Timer settings.
- Be sure to set the total number of shootings so it does not exceed the number of frames remaining on the film in the camera. If film reaches end of roll during shooting, push S/S button to stop the Interval timer and rewind film. After loading a new film and fully depressing the shutter release button to advance film to frame 1, push S/R button to resume operation. The number of shots per shooting will be set to the previously set number, but the number of shootings will be the same as when the operation was stopped.
- During Interval Timer operation, the camera's meter turns on only when activated by the MF-23, and turns off 16 seconds after each shooting to save battery power.
- To ensure correct measurement by camera's exposure meter, use the eyepiece shutter to prevent light from entering the viewfinder.

- During intervals you can take additional pictures in the ordinary way simply by depressing the shutter release button.
- When using a Nikon Speedlight with a standby switch, speedlight charging begins 30 seconds before the shooting time set in Interval Timer operation. If the interval time is shorter than 30 seconds, the speedlight's standby switch does not function well.
- With the camera body set for single servo autofocus in Interval Timer operation, shutter will not release if focusing takes more than 8 seconds.
- If total exposure time for a shooting extends beyond the interval time, camera will skip one shooting and move on to the next shooting time.

INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

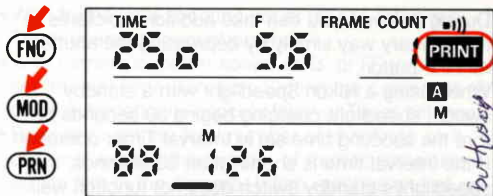


Using MF-23 as a timer

By setting the start time at any desired and setting the interval time to 24:00:00, you can shoot at the same time every day.

EXPOSURE DELAY FUNCTION

This function lets you set the amount of time before the *next* exposure and number of shots.

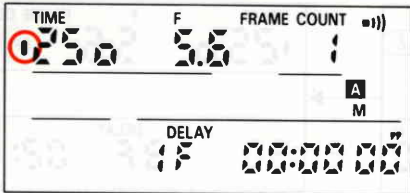


To imprint data during Exposure Delay operation:

Select desired display using FNC and MOD buttons, then push PRN button so Data Imprint set indicator appears. Releasing the shutter while PRINT is showing causes data selected in Between-Frames and/or In-Frame Data Imprint function to be imprinted, even when the function indicator does not appear and data is displayed for Exposure Delay function.

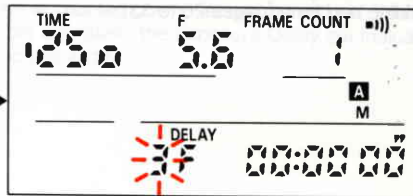
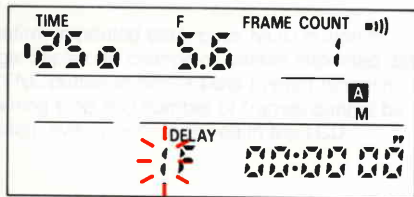


INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP



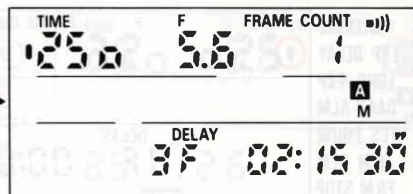
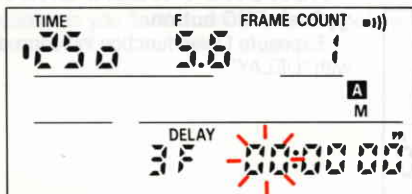
1. Push FNC button.

Exposure Delay function indicator appears with 'DELAY'.



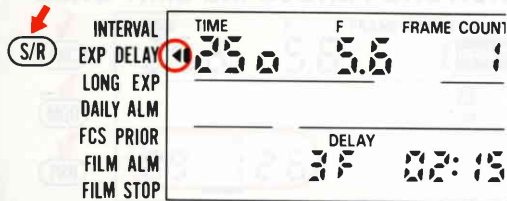
2. Set number of frames.

Push SEL button so numerical indication for frames begins to blink, then push adjust buttons until desired number appears.



3. Set delay time.

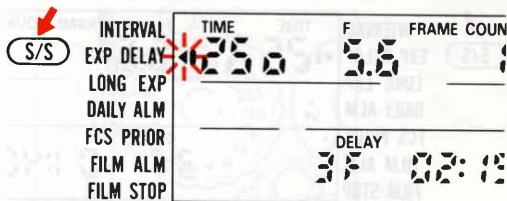
Using SEL and adjust buttons, set display to desired time using the same method described for setting date and time (pages 26 to 33).



4. Push S/R button to complete Exposure Delay setting.

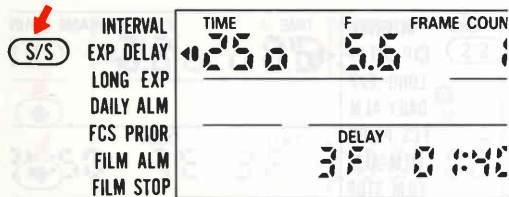
Exposure Delay set indicator appears.

- To confirm imprinted data, push MOD button to change display. To change or cancel imprinted data, push FNC button to select Data Imprint function.
- Remaining time and number of frames cannot be imprinted, even when displayed in the LCD.



5. Push S/S button to start Exposure Delay operation.

Exposure Delay set indicator blinks and the remaining time is counted down, second by second. When all shots are taken, the Exposure Delay set indicator stops blinking.



To stop counting before exposure:

Push S/S button. Counting stops and Exposure Delay set indicator stops blinking. To restart counting, push S/S button again.

- With remaining time set to 00:00:00, if you push the S/S button, the Exposure Delay set indicator and 00:00:00 blink twice and the alarm sounds (if set).
- Be sure to set the number of frames so it does not exceed the number of frames remaining on the film in the camera. If film reaches end of roll during shooting, push S/S button to stop operation and rewind film using power rewind. Opening the camera back to change film automatically cancels Exposure Delay setting. To resume operation after loading a new film, set delay time again. The number of frames will be set to the previously set number.