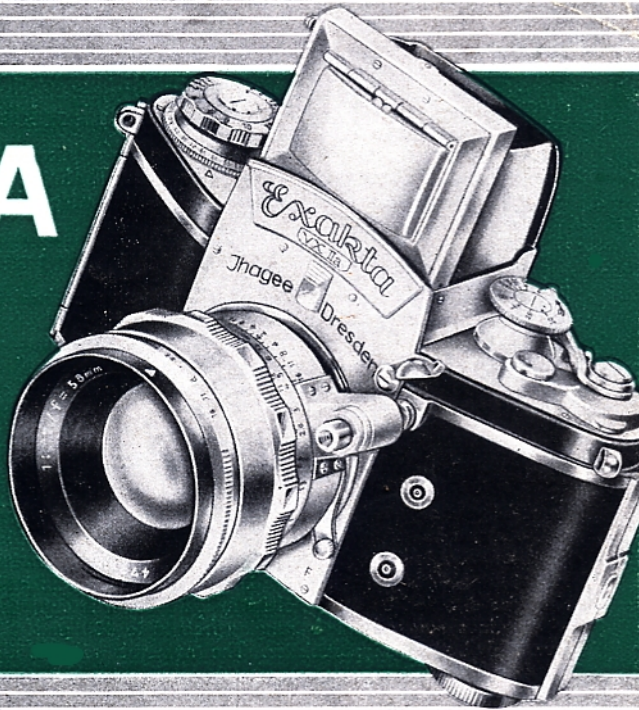
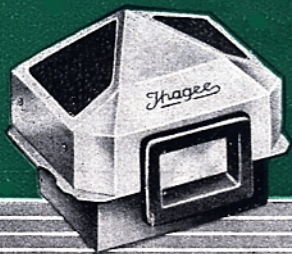


EXAKTA

VX II α

35 mm



EXAKTA VX IIa

Supplement to Complete Instruction Booklet for EXAKTA VX

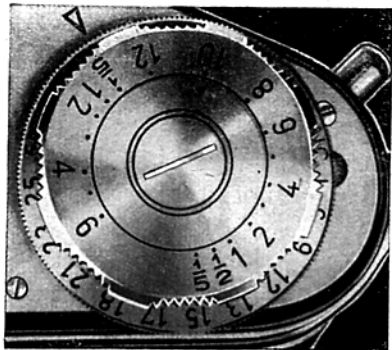
For the purpose of extending and facilitating the applicability of the EXAKTA VX, several innovations and improvements have been made on this camera. The improved model bears the name **EXAKTA VX IIa**. We request our readers kindly to refer to the following notes complementing the Instructions for Use:

Section C, page 11 (Soft speed-regulating mechanism)

In the EXAKTA VX IIa model the speed-regulating mechanism ($1/5$ sec. to 12 secs.), and the self-timer function practically free from noise. This improvement, that requires no special handling of the camera, will be regarded as a most valuable asset when taking pictures at theatrical performances, conferences, and on similar occasions.

Section G, page 28 (Film speed indicator)

To assist your memory there is, on the large speed-setting knob, a film speed indicator. On the EXAKTA VX IIa this indicator has been adapted to suit international film gradations. It must be set immediately after film loading, being rotatable in anti-clockwise direction by means of its milled edge. It is engraved with various numeral values ranging from 6 to 400 and with four alphabetical characteristics. The numerals refer to the



sensitivity of black-and-white films (e. g. 100 = 100 ASA, 17 = 17/10⁰ DIN, etc.), where-as the letters have the following meaning:

- C (black) = Color reversible film for daylight
- C (red) = Color reversible film for artificial light
- NC (red) = Color negative film for artificial light
- NC (black) = Color negative film for daylight

According to the film you have in your camera set the respective numeral or letter opposite the triangle (∇) engraved on the covering plate. You can then always see which film was placed into the camera, even in cases of longer intervals between snapshotting.

Two examples:

- Kodak Super XX with Asa 100 = the "100" of the film speed indicator stands against the triangle (∇)
- Anschochrome daylight film = the black "C" of the film speed indicator stands against the triangle (∇)

Section I, page 33, (Flash technique)

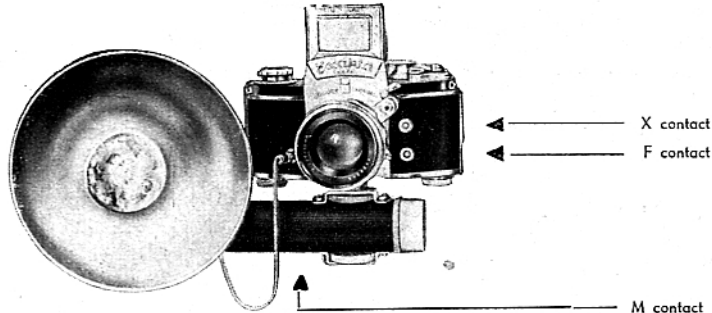
The EXAKTA VX IIa has three synchronized contacts for flashlight exposures:

One contact X for open flash with flash tubes and flash bulbs, two contacts M and F for the use of flash bulbs at short shutter speeds.

The **M contact** closes the circuit approximately 15 milliseconds before the first shutter curtain opens the shutter. The light curve of certain flashes will thus coincide with the travelling of the shutter. This contact is used for synchronizing flash bulbs with a longer flash duration (e. g. General Electric, Westinghouse, Philips PF 45 E). This synchronization allows for short shutter speeds down to $1/1000$ sec. (see table).

The **F contact** closes the circuit approximately 11 milliseconds before the shutter is fully opened. This contact is designed for the small, short-burning flash bulbs (e. g. Amplex No. 5, Dura Flash No. 5, General Electric PH 5, Westinghouse No. 5, Philips PF 5). The shutter has to be set to $1/25$ sec. (see table).

The **X contact** permits the use of all types of flash bulbs with a flash duration of $\frac{1}{5}$ sec. and longer. In this case, the shutter speed is determined by the flash duration of the flash bulb. The X contact is also intended for the synchronization of flash tubes. (see page 36).

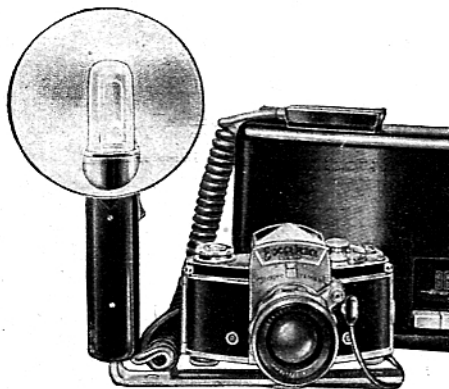


Please refer to the following tables for information regarding the use of particular flash bulbs in connection with the flash contacts on the EXAKTA VX II a:

- a) Table for M contact
- b) Table for F contact
- c) Table for X contact

Should you meet with any difficulty when using flash bulbs (for instance, faulty contact in the lamp base, etc.), remove the flash bulb after the shutter has traveled its course. Do not insert a new lamp before the shutter has been rewound.

In fact, changing of lamps must take place only with the shutter wound up.



The Electronic Contact (page 36) makes it possible - as the name says - to use the EXAKTA VX IIa also with electronic units. For this purpose there is the third socket X on the EXAKTA VX IIa. This socket accepts the cable cord of the electronic unit. Electronic flashes are ignited at shutter speeds of $\frac{1}{50}$ sec. or longer. The flash-tube synchronization closes the circuit after the first shutter curtain has crossed the entire film gate. The effective exposure time is determined by the flash tube and is usually $\frac{1}{500}$ to $\frac{1}{5000}$ sec., depending on the type of flash tube, which is fast enough to catch subjects moving with extreme speed.

Simultaneously with an electronic flash on the X contact, **one** flash bulb can be ignited on the M or F contact, should this be considered necessary for any special task.

Tables explaining the three Flash Contacts of the EXAKTA VX IIa

a) Full synchronization: Connect the cable cord to the M contact!

EXAKTA VX IIa shutter set at	Amplex No. 31	Dura Flash No. 31	General Electric PH 31	Westinghouse No. 31	Philips PF 45 E
$\frac{1}{1000}$	+	+	+	+	+
$\frac{1}{500}$	+	+	+	+	+
$\frac{1}{250}$	+	+	+	+	+
$\frac{1}{150}$	+	+	+	+	+
$\frac{1}{100}$	+	+	+	+	+
$\frac{1}{50}$	+	+	+	+	+

- b) Open flash technique: Connect cable cord to F contact and set shutter to $1/25$ sec.!**
 For use with small, short-burning flash bulbs.

Shutter setting (not exposure speed)	Amplex		Dura Flash		General Electric		Westinghouse		Philips	
	Type	Exposure speed (~ flash duration)	Type	Exposure speed (~ flash duration)	Type	Exposure speed (~ flash duration)	Type	Exposure speed (~ flash duration)	Type	Exposure speed (~ flash duration)
$1/25$ sec.	No. 5	$1/100$	No. 5	$1/100$	PH 5	$1/100$	No. 5	$1/100$	PF 5	$1/100$

- c) Open flash technique: Connect cable cord to X contact and set shutter to $1/8$ sec. or a slower speed!** For use with all flash bulbs on the market. For American flash bulbs please note the following data :

Shutter setting (not exposure speed)	Amplex		Dura Flash		General Electric		Westinghouse		Philips	
	Type	Exposure speed (~ flash duration)	Type	Exposure speed (~ flash duration)	Type	Exposure speed (~ flash duration)	Type	Exposure speed (~ flash duration)	Type	Exposure speed (~ flash duration)
$1/8$ sec. and longer	SM	$1/300$	SM	$1/200$	PH/SM	$1/200$	SM	$1/200$	PF 1	$1/100$
	No. 5	$1/100$	No. 5	$1/100$	PH 5	$1/100$	No. 5	$1/200$	PF 5	$1/80$
	No. 22	$1/60$	No. 22	$1/60$	PH 22	$1/60$	No. 22	$1/60$	PF 60	$1/50$
	No. 50	$1/25$	No. 50	$1/25$	PH 50	$1/25$	No. 50	$1/25$	PF100	$1/46$

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