

# FLASH UNITS

CEYOO • CHICO

BRAUN HOBBY

# YOUR FRANCHISED LEICA DEALER

The cameras, lenses, and other merchandise you will find in this catalog are sold only through Franchised Leica Dealers. These dealers are prepared to perform many services for you, and so we would like you to know more about them and their relationship with us.

The Leica franchise is held by about 1400 out of a total of over 10,000 photographic dealers throughout the United States. A Leica franchise is granted to a dealer only after consideration of the following factors:

- (a) his integrity,
- (b) his knowledge of the Leica and its wide selection of accessories,
- (c) his willingness to keep a selection of Leica models, parts, and accessories on hand for your convenience.

We urge you to get acquainted with your local Leica dealer. He can give you many tips on how to get the most out of your Leica and on photography in general.

We wish also to say a word about the retail prices set forth in this catalog. These prices have been established at the lowest level consistent with Leica's unequalled quality. They are covered by fair trade laws where applicable. Fair trading has been established to assure your dealer of a reasonable profit margin (the lowest in the photographic industry, incidentally) and make it possible for him consistently to give you excellent service.

Because of the reputation and the popularity of the Leica, some dealers who do not hold a Leica franchise attempt to handle Leica merchandise. As new, legally imported Leica merchandise is sold only through Franchised Leica Dealers, Leica merchandise obtained by non-franchised dealers is second-hand, and sometimes has been obtained through illegal channels. To be certain that you are getting new, legally imported merchandise, be sure to buy it from a store that displays the sign of a Franchised Leica Dealer. When you buy from him a new Leica camera or lens you are sure it is new as he will give you both a Leitz import certificate and a Leitz registration card which positively identify the equipment by serial number. Upon the return of the registration card to E. Leitz, Inc. you will receive a guarantee certificate, which is confirmation that you are the original purchaser.

Not only is the Franchised Leica Dealer the only legitimate source of new Leica merchandise but also he is the best source for used Leica merchandise. Leica cameras and accessories are built to give many years of satisfactory service. Consequently, Leica equipment commands a high value for trade-in or resale purposes, and if the equipment has not been abused, it will continue to give excellent results for many years. However, it is recommended that used equipment be purchased only from your regular Franchised Leica Dealer. You can have confidence in what he tells you concerning its age, and you can look forward to cheerful and helpful service in the years to come.

Your Franchised Leica Dealer



proudly displays this sign

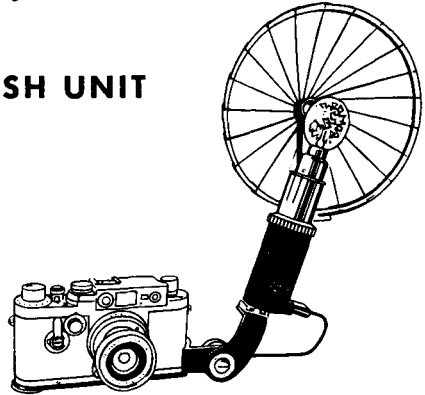
## FLASH EQUIPMENT

You can choose between two basic types of flash equipment for your Leica—conventional and electronic. Each has its advantages. Leica flash units for conventional flash bulbs (the CEYOO and the Chico) are extremely small and light. They are very easy to carry and their cost is modest. Operating power comes from a 22-1/2 volt battery-capacitor.

The Braun Hobby Electronic Flash Units although somewhat bulkier and more expensive than the conventional units, have repeating flash tubes good for more than 30,000 flashes. They soon pay for themselves since they end your flashbulb expense forever.

### CEYOO FLASH UNIT

This flash unit for conventional bulbs is so popular that we have adapted it for use on other cameras besides the Leica. The various adaptations consist of the basic CEYOO unit with a special connecting cord fitting the specific type of camera listed. (The only exception is flash unit CEYOSR which has no connecting cord; it has a special foot which makes the electrical contact.) The connecting cords furnished with the flash units for the Leica come with a removable female socket for use with electronic flash equipment.



The folding reflector of your CEYOO unit slips off the gun for compact storage and you can easily adjust it in height for centering to different bulbs. Its special matt finish gives even illumination even when you use a wide-angle lens. The bulb holder has a removable bayonet socket with ejector button. A big advantage of the CEYOO is that it takes screw base bulbs as well as bayonet base bulbs for those times when you need high light output. What's more, you get a test lamp with each unit to assist you in checking electrical connections. CEYOO and CHICO flash units come complete with batteries.

### EXTENSION FLASH

Frequently you will find it desirable to locate the flash unit at a distance from your camera. All you will need for this purpose is one or more 5 foot extension cords which you put between the unit and the connecting cord at the camera. Extension flash gives you flexibility of light placement for better modeling, bounce light and special effects.

### MULTIPLE FLASH

Multiple flash is the firing of two or more bulbs at the same time. It gives you the flexibility of studio lighting equipment and you can fill in shadows, make highlights or use more than one bulb to evenly light a large area. In picking your multiple flash equipment, you can choose between either the parallel or series systems.

#### Parallel System

For parallel hook-up, you will need a B-C insert in each CEYOO unit. Units are connected with an extension cord and multiple flash plug. When you work with this system, put a bulb in each unit and allow at least 10 seconds charging time before you connect the units to each other. Otherwise premature firing may result.

This manual is for reference and historical purposes, all rights reserved.  
~~These creations are copyright © by M. Butkus, NJ, U.S.A.~~  
These creations may not be sold or distributed without the expressed permission of the producer  
I have no connection with any camera company

### On-line camera manual library

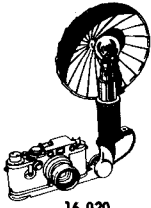
If you find this manual useful, how about a donation of \$2 to:  
M. Butkus, 29 Lake Ave., High Bridge, NJ 08829-1701  
and send your e-mail address so I can thank you.  
Most other places would charge you \$7.50 for a electronic copy or  
\$18.00 for a hard to read Xerox copy.

**This will allow me to continue this site, buy new manuals and pay their shipping costs.  
It'll make you feel better, won't it?  
If you use Pay Pal, go to my web site  
[www.orphancameras.com](http://www.orphancameras.com) and choose the secure PayPal donation icon.**

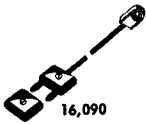
## Series System

Some photographers prefer a series circuit for multiple flash work. With a series hook-up premature firing is impossible. Also, you can insert bulbs either before or after you connect up the units. You will need one complete flash unit with a B-C insert at the camera and one additional unit (in which you have replaced the B-C insert with a series insert) for each extra lamp. Connect these units with an extension cord and series flash plug.

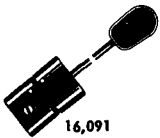
If you prefer the series system, there is a Multiple Flash Kit for your convenience. It contains a CEYOO flash unit in which a Series Insert replaces the B-C series, a five foot extension cord and a Series Flash Plug.



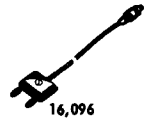
16,020



16,090



16,091



16,096

## CEYOO FLASH UNITS

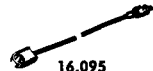
Catalog Number	Code Word	Item	Retail Price
16,020	CEYOO	Flash Unit with connecting cord fitting "f" and "g" series Leicas. . . . .	\$24.00
16,090	CNOOS	Connecting Cord for "f" and "g" series Leicas. Supplied with flash unit #16,020 . . .	3.30
16,025	ZIOOQ	Adapter for mounting flash unit in accessory clip of Leica lf. . . . .	1.50
16,150	CEYOO-M	Flash Unit with connecting cord fitting Leica model M 2 or M 3. . . . .	24.00
16,091	MOONZ	Connecting Cord for Leica model M 2 or M 3. Supplied with flash unit #16,150 . . . . .	3.30
16,021	CEYOSR	Flash Unit for Stereo Realist and Graflex-22; without connecting cord, but with special foot . . . . .	24.00
16,130	CEYOPC	Flash Unit with connecting cord fitting shutters having Continental-type (P-C) outlet . . . . .	24.00
16,096	COOSX	Connecting Cord for connecting CEYOO flash unit to shutters having Continental-type (P-C) outlet. Supplied with flash unit #16,130. . . . .	3.30
16,135	CEYODP	Flash Unit with connecting cord fitting shutters having ASA double-post outlet . . . . .	24.00
16,140	CEYOBT	Flash Unit with connecting cord fitting shutters having ASA bayonet-type outlet . . . . .	24.00
16,145	CEYOKE	Flash Unit with connecting cord fitting Kine Exakta and Exa cameras . . . . .	24.00
16,024	CEYSMF	Multiple Flash Kit for series connection (CEYOO Flash Unit and reflector, Series Insert, Series Flash Plug, 5 foot extension cord) . . . . .	27.00
16,082	SMFIBH	Series Insert for series flash. Supplied with multiple kit #16,024. . . . .	2.05
16,112	SMFPBC	Series Flash Plug for series connection of multiple flash. Supplied with multiple kit #16,024. . . . .	4.80

## REPLACEMENT PARTS FOR CEYOO FLASH UNITS

Catalog Number	Code Word	Item	Retail Price
16,060	VLOOF	Folding Reflector, matt finish. . . . .	\$ 6.00
16,062	CQQWO	Bayonet Bulb Adapter with ejector . . . . .	5.40
16,065	COOQW	Test Lamp . . . . .	.35
16,080	COOWZ	B-C Insert with 22½ volt battery . . . . .	4.20
16,070	COOUY	B-C Insert without battery . . . . .	2.70
16,075	COOVM	Battery; 22½ volt for B-C Insert . . . . .	1.50
16,100	CUMOO	Female Socket adapting CEYOO connecting cords to other flash units . . . . .	.60

## ACCESSORIES FOR CEYOO FLASH UNITS

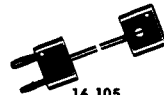
16,023	LCCEYO	Flash Unit CEYOO without connecting cord. Used for multiple flash. . . . .	20.70
16,095	COONS	Connecting Cord adapting "f" and "g" series Leicas for use with flash units having Continental-type (P-C) connector. . . . .	3.30
16,190	MICQO	Connecting Cord adapting Leica M 2 or M 3 to other flash units having a Continental-type (P-C) connector. . . . .	3.30
16,097	CCDPCE	Connecting Cord for connecting CEYOO flash unit to shutters having ASA double-post outlet. (Supplied with flash unit #16,135) . . . . .	5.40
16,098	CCBTCE	Connecting Cord for connecting CEYOO flash unit to shutter having ASA bayonet-type outlet. (Supplied with flash unit #16,140) . . . . .	5.40
16,099	CCKECE	Connecting Cord for connecting CEYOO flash unit to Exakta and Exa cameras. (Supplied with flash unit #16,145). . . . .	5.40
16,102	COOMU	Male Plug for connecting CEYOO flash unit to synchronizers of other cameras . . . . .	.90
16,105	COOKT	Extension Cord (5 foot) for extension or multiple flash. . . . .	3.30
16,110	CNIXO	Multiple Flash Plug for parallel connection of multiple flash. . . . .	3.45
16,125	CTOOM	Angle Bracket for mounting flash unit at side of the Leica . . . . .	6.60
10,027	CLIPP	Shoe for mounting flash unit on other than Leica cameras . . . . .	1.20
14,054	IXOOU	Synchro Outlet Cover for Leica M 2 or M 3 . . . . .	.30



16,095



16,190



16,105



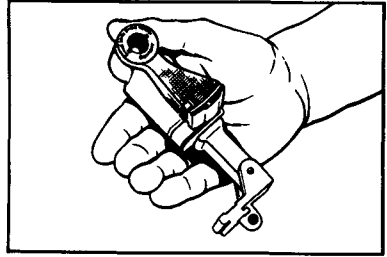
16,110



16,125

## CHICO FLASH UNIT

"Chico" is as tiny and attractive as it sounds. But efficient! The small size and high power of bayonet-base flash bulbs coupled with improvements in battery design, give you a huge light output from a vest-pocket flash gun. "Chico" is the last word in compactness and convenience. In a single plastic housing (only 1-1/2" wide and 3-1/2" long!) you get a 22-1/2 volt Battery-Capacitor, a built-in circuit tester with test lamp and a rectifier for multiple flash. The bayonet-base bulb socket with ejector button and the folding fan-type reflector are part of the housing, too!



"Chico" Flash Unit with Adjustable Holder  
for III, IIIf

Its built-in circuit tester is a unique feature of the "Chico" flash. If you push the test button after you have placed a flash bulb in the socket, a test lamp will shine through the housing. This tells you that your battery and flash bulb are in order. You can also test the synchronizing circuit of your camera. With the unit connected to the camera and a bulb in position (but with the reflector folded) operate the shutter. If the circuit is complete and everything is functioning properly, the test lamp will glow. The flash bulb cannot fire unless the reflector is in open position.

You can put "Chico" directly into the accessory shoe of your camera, or you can use it with an adjustable holder which provides angular adjustment of the flash unit.

### For Extension Flash

As with the CEYOO flash, all that you need to fire the "Chico" unit at a distance from your camera is one or more extension cords to connect the unit to your camera. The flash unit has a tripod socket in its base so you can mount it on a tripod for extension or multiple lighting.

### For Multiple Flash

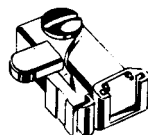
You can fire two or more "Chico" units in multiple by connecting them to each other with the proper cords. Unlike the CEYOO unit, "Chico" has no provision for series flash. You will need each unit complete with a battery. However, a rectifier built into each unit prevents premature firing of the bulb—a major advantage of series wiring.

## CHICO FLASH UNITS

Catalog Number	Code Word	Item	Retail Price
16,155	DEOOC-DFHOO	Flash Unit with Adjustable Holder fitting Leica models If and IIIf. No connecting cord is required. Cannot be used on Leica Ig or IIIg . . . . .	\$13.50
16,160	DEOOC-DFOOB-CVOOK	Flash Unit with Adjustable Holder and Connecting Cord fitting Leica M 2 or M 3 . . . . .	15.00
16,165	DEOOC-DFOOB-CUOOL	Flash Unit with Adjustable Holder and 17 inch Connecting Cord fitting "f" and "g" series Leicas. Flash may be held off camera for bounce or angle lighting . . . . .	15.00
16,170	DEOOC-DFOOB-DGKOO	Flash Unit with Adjustable Holder and Connecting Cord fitting shutters having Continental-type (P-C) outlet . . . . .	13.50

## ACCESSORIES FOR CHICO FLASH UNITS

16,175	DEOOC	Flash Unit without Adjustable Holder or Connecting Cord . . . . .	10.20
16,180	DFHOO	Adjustable Holder for Flash Unit fitting Leica models If and IIIf. Connects directly to synchronizing outlet, no connecting cord required. Cannot be used on Leica Ig, IIIg . . . . .	3.30
16,185	DFOOB	Adjustable Holder for Flash Unit fitting all <del>synchronized models of the Leica and</del> cameras of other makes. (Connecting cord or proper type is required). . . . .	1.50
16,196	CUOOL	Connecting Cord, with bayonet lock, connecting Flash Unit to synchronizing outlet of "f" and "g" series Leicas. Supplied with #16,165 . . . . .	3.30
16,191	CVOOK	Connecting Cord, with bayonet lock, connecting Flash Unit to M 2 or Leica M 3. Supplied with #16,160 . . . . .	3.30
16,195	DGKOO	Connecting Cord connecting Flash Unit to shutters having Continental-type (P-C) outlet. Supplied with #16,170. . . . .	1.80
16,197	DGKOO-SIXFT	Extension Cord (6 foot) for extension or multiple flash . . . . .	2.70
16,199	TITANI	Multiple Flash Plug (two-way) for parallel connection of multiple flash . . . . .	1.20
16,200	DHOOA	Battery; 22½ volt for Flash Unit . . . . .	1.50
16,205	DEMOO	Plastic Box for "Chico" Flash Unit . . . . .	.90
10,027	CLIPP	Shoe for mounting Flash Unit on other than Leica cameras . . . . .	1.20



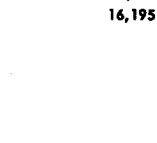
16,180



16,196

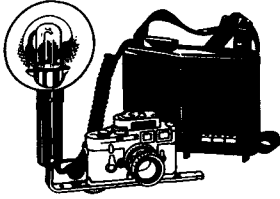


16,191

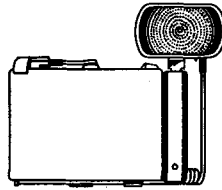


16,199

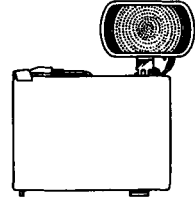
## BRAUN HOBBY ELECTRONIC FLASH UNITS



Automatic EF 3



Special EF 2 and Special EF 2 NC



Standard EF 1

Electronic flash offers the advantages of conventional flash bulbs plus unique characteristics of its own. Its highspeed light source (1/1000th second) will "stop" virtually any action and has a life of many thousands of flashes. And, since Braun Hobby electronic flash units operate from either ordinary A.C. household current or rechargeable storage batteries, you can use them anywhere. Thus, electronic flash eliminates the cost of constant bulb replacement and costs practically nothing to operate.

Each Hobby unit is engineered to meet a special need in flash equipment; each is a product of the well-known electrical firm of Max Braun of Frankfurt, Germany—Europe's largest manufacturer of electronic flash units. A major Braun innovation is the revolutionary "Barix" storage battery—an exclusive "Hobby" feature. This new battery has exceptionally long life, and is practically immune to damage from accidental overcharging or neglect. You can leave it uncharged for up to half a year without harm to the plates! It is perfectly suited to the needs of busy professionals, yet equally valuable for hobbyists who may use it only intermittently.

Another feature of the new Hobby units (except the Standard EF 1) is a two-transistor monitor circuit which automatically checks the condenser charge. During waits between pictures the monitor circuit switches off the vibrator when the condenser reaches full charge. Then, if the charge drops, the monitor circuit switches the vibrator on for a moment—automatically—to restore full power, then switches it off again. The battery charge lasts longer; light output stays consistent. And you concentrate on good pictures, not the on-off switch.

### Four Models

The hobby Automatic EF 3 is the most advanced of four models, and is especially suited for professional use. It features push-button control of its various functions, switching instantly from A.C. to storage battery operation, to half-power light output or battery charging via a built-in charger. Its 135 watt-second power will handle virtually any assignment, and an extension flash head is available to provide widely varying lighting effects.

The Special EF 2 is designed especially with advanced amateurs in mind. Its 70 watt-second power is ample for nearly any hobby photography, and many professional assignments as well. Its newly-designed, tiny reflector throws a 60° beam completely free of hot spots in the field of a normal lens and excellent even for wide-angle shots. The Special EF 2 works on either A.C. or the new "Barix" storage battery and has a built-in battery charger. There is ample light output to handle an extension flash head, which is available as an accessory.

The Special EF 2 NC has features virtually identical with those of the Special EF 2, except that its battery is a rechargeable nickel-cadmium unit rather than the Barix. This battery is permanently installed and cannot be removed by the user. The nickel-cadmium, like the Barix battery features long life and minimum maintenance, giving up to 75 flashes on a single battery charge.

The Standard EF 1 offers 50 watt-second power and is an inexpensive unit ideal for the amateur. Like the Special EF 2 and the Automatic, it works on either A.C. or "Barix" battery. Its reflector is identical with that of the Special and mounts on top of the camera in the accessory shoe. It is stored and carried in a shoe on top of the unit's housing. No extension flash head is available for the Standard EF 1.

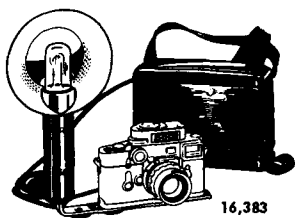
Connecting cords for all three Hobby units are available for all synchronized models of the Leica and many other types of cameras.

#### BRAUN HOBBY SPECIFICATIONS

		Automatic EF3		Special EF2 and Special EF2NC	Standard EF1
<b>Case Dimensions</b>		9" x 6 $\frac{1}{4}$ " x 3"		6 $\frac{1}{4}$ " x 5 $\frac{1}{4}$ " x 2 $\frac{1}{4}$ "	6 $\frac{1}{4}$ " x 5 $\frac{1}{4}$ " x 2 $\frac{1}{4}$ "
<b>Total weight (with battery)</b>		6 lbs. 7 oz.		Special EF2 Special EF2NC 4 lbs. 4 lbs. 3 oz.	3 lbs. 9 oz.
<b>Flash duration</b>		1/1000 sec.		1/1000 sec.	1/1000 sec.
<b>Color temperature</b>		5600°K. (matches daylight color film balance)		5600°K. (matches daylight color film balance)	5600°K. (matches daylight color film balance)
<b>Watt seconds</b>		<i>Full-power position</i> 135	<i>Half-power position</i> 60	70	50
<b>Reflector Coverage</b>		Adjustable Choice of 50° or 70°		60°	60°
<b>Guide Number</b>	Daylight Kodachrome	55*	open lens 1 $\frac{1}{2}$ stops	44	36
	Daylight Anscochrome or Ektachrome	90*	open lens 1 $\frac{1}{2}$ stops	70	60
	Daylight Super Anscochrome	160*	open lens 1 $\frac{1}{2}$ stops	120	105
	ASA 100 B & W	300*	open lens 1 $\frac{1}{2}$ stops	230	180
<b>Flashes per Charge</b>	A.C.	Unlimited	Unlimited	Unlimited	Unlimited
	Barix battery	80	180	75	120
	Nickel- cadmium battery	-	-	75	-
<b>Recycle Time</b>	110 volts A.C.	8-9 sec.	2-3 sec.	5-7 sec.	5-7 sec.
	Battery	9 sec.	3-4 sec.	6-7 sec.	5-6 sec.
<b>Extension flash head available</b>		Yes		Yes	No
<b>Battery charger</b>		Built in		Built in	Built in

\* Guide number for two-position reflector on "Automatic" set for 50° beam. Open lens 1/2 stop for reflector in 70° beam position.

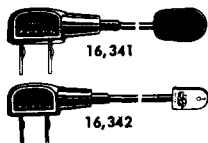
## BRAUN HOBBY AUTOMATIC EF3 ELECTRONIC FLASH UNIT



16,383  
(Camera Card Extra)

Catalog Number	Code Word	Item	Retail Price
16,383		<b>Automatic EF 3 Storage Battery—A.C. Unit</b> Complete with "Barix" rechargeable battery, built-in vibrator and charger, A.C. line cord, and camera bracket, but without camera connecting cord . . . . .	\$109.50

### Accessories for the Automatic EF 3 and Former Models of the Automatic



16,416		<b>Multiple Flash Head</b> , 16-foot cord. (For Automatic EF 3, Automatic A. A., Special A.M. or A.N.C.) . . . . .	30.00
16,400	PCFCEA	<b>Exakta Adapter</b> . Adapts P-C cords for use on Exakta and Exa cameras. (May be used with P-C cords of CEYOO and CHICO flash units.) . . . . .	2.50
16,420	ABHPWB	<b>Plastic Squeeze Bottle</b> with narrow spout and cap. For adding distilled water to storage battery . . . . .	.50
16,341	CTKOO	<b>Connecting Cord</b> (50cm long) for Leica Model M 2 or M 3. . . . .	5.00
16,361		<b>Connecting Cord</b> (6 feet long) for Leica M 2 or M 3 . . . . .	6.80
16,342	CSOON	<b>Connecting Cord</b> (50cm long) for "f" or "g" series Leicas. . . . .	5.00
16,362		<b>Connecting Cord</b> (6 feet long) for "f" or "g" series Leicas. . . . .	6.80
16,343	BRCCPA	<b>Connecting Cord</b> (40cm long) for Continental- type (P-C) outlet . . . . .	2.75
16,344	BRCCRA	<b>Connecting Cord</b> (80cm long) for Rolleiflex and Rolleicord cameras . . . . .	3.75
16,447		<b>Flash Head Bracket</b> for mounting flash head of Braun Hobby Automatic EF 3, Automatic A.A., Special A.M. or A.N.C. or former Standard on Leica accessory shoe or flash angle brackets #16,125, #16,185 or #16,180. Also fits most other camera accessory shoes . . . . .	2.00

*NOTE: Domestic cords can be used with ASA synchronizer outlets.*

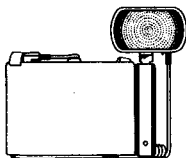
**Replacement Parts for the Automatic EF 3 and Former  
Models of the Automatic**

Catalog Number	Code Word	Item	Retail Price
16,373		"Barix" Storage Battery for Automatic EF 3 and former models of the Automatic and Standard . . . . .	\$12.00
16,437		Vibrator, with muffler, for Automatic A.A. . .	9.00
16,436	RHBSBV	Vibrator, with muffler for previous Automatic models . . . . .	9.00
16,410	LCBHAU	Line Cord (13-foot) . . . . .	2.25

(FOR FUSES, SEE P. FF 11)

**BRAUN HOBBY SPECIAL EF 2 AND EF 2 NC ELECTRONIC FLASH UNITS**

16,381		Special EF 2 Storage Battery—A.C. Unit. Complete with "Barix" rechargeable battery, built-in vibrator and charger, A.C. line cord, camera bracket and detachable flash head handle, but without camera connecting cord . . . . .	79.50
16,382		Special EF 2 NC Storage Battery—A.C. Unit. Complete with nickel-cadmium rechargeable battery, built-in vibrator and charger, A.C. line cord, camera bracket and detachable flash head handle, but without camera connecting cord . . . . .	109.50



16,381

**Accessories for Special EF 2, Special EF 2 NC, and Former  
Models Special A.M. and Special A.N.C.**

16,416		Multiple Flash Head (For former models Special A.M., Special A.N.C. or Automatic A.A.) . . . . .	30.00
16,414		Multiple Flash Head for Special EF 2 and Special EF 2 NC . . . . .	30.00
16,400	PCFCEA	Exakta Adapter. Adapts P-C cords for use on Exakta and Exa cameras. (May be used with P-C cords of CEYOO and CHICO flash units.) . . . . .	2.50
16,420	ABHPWB	Plastic Squeeze Bottle with narrow spout and cap. For adding distilled water to storage battery . . . . .	.50
16,341	CTKOO	Connecting Cord (50cm long) for Leica model M 2 or M 3 . . . . .	5.00
16,361		Connecting Cord (6 feet long) for Leica M 2 or M 3 . . . . .	6.80
16,342	CSOON	Connecting Cord (50cm long) for "f" and "g" series Leicas . . . . .	5.00
16,362		Connecting Cord (6 feet long) for "f" and "g" series Leicas . . . . .	6.80
16,343	BRCCPA	Connecting Cord (40cm long) for Continental-type (P-C) outlet . . . . .	2.75
16,344	BRCCRA	Connecting Cord (80cm long) for Rolleiflex and Rolleicord cameras . . . . .	3.75
16,447		Flash Head Bracket for mounting flash head of Braun Hobby Automatic EF 3, Automatic A.A., Special A.M. or A.N.C. or Standard on Leica accessory shoe or flash angle brackets #16,125, #16,185 or #16,180. Also fits most other camera accessory shoes . . . . .	2.00

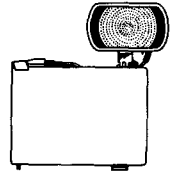
NOTE: Domestic cords can be used with ASA synchronizer outlets.

**Replacement Parts for Special EF 2, Special EF 2 NC,  
Special A.M. and Special A.N.C.**

<i>Catalog Number</i>	<i>Code Word</i>	<i>Item</i>	<i>Retail Price</i>
16,371		"Barix" Storage Battery for Standard EF 1, Special EF 2, and former models of the Special . . . . .	\$10.50
16,449		Vibrator, with muffler . . . . .	9.00
16,410	LCBHAU	Line Cord, black, (13-foot). . . . .	2.25
16,411		Line Cord, gray, (13-foot) . . . . .	2.25

(FOR FUSES, SEE P. FF 11)

**BRAUN HOBBY STANDARD EF 1  
ELECTRONIC FLASH UNITS**



16,380		Standard EF 1 Storage Battery—A.C. Unit. Complete with "Barix" rechargeable battery, built-in vibrator and charger, A.C. line cord but without connecting cord. . . . .	59.50
--------	--	---	-------

**Accessories for Standard EF 1 and Standard**

16,371		"Barix" Storage Battery for Standard EF 1, Special EF 2, and former models of the Special . . . . .	10.50
16,373		"Barix" Storage Battery for former models of the Standard and Automatic and current Automatic EF 3 . . . . .	12.00
16,438	ABHIBC	Battery Charger. Interchangeable with vibrator. WARNING: for former models of the Standard with pebbled reflectors and with serial numbers below 271,626 only . . . . .	2.25
16,439		Battery Charger. Interchangeable with vibrator. WARNING: for former models of the Standard with mirror-center reflector and with serial numbers 271,626 or higher only (cannot be used in Standard EF 1) . . . . .	2.25
<i>NOTE: Both storage battery and appropriate charger are needed for wet cell operation of former Standard models.</i>			
16,400	PCFCEA	Exakta Adapter. Adapts P-C cords for use on Exakta and Exa cameras. (May be used with P-C cords of CEYOO and CHICO flash units.) . . . . .	2.50
16,341	CTKOO	Connecting Cord (50cm long) for Leica Model M 2 or M 3 . . . . .	5.00
16,361		Connecting Cord (6 feet long) for Leica M 2 or M 3 . . . . .	6.80
16,342	CSOON	Connecting Cord (50cm long) for "f" and "g" series Leicas. . . . .	5.00
16,362		Connecting Cord (6 feet long) for "f" and "g" series Leicas . . . . .	6.80
16,343	BRCCPA	Connecting Cord (40cm long) for Continental-type (P-C) outlet . . . . .	2.75
16,344	BRCCRA	Connecting Cord (80cm long) for Rolleiflex and Rolleicord cameras . . . . .	3.75

Catalog Number	Code Word	Item	Retail Price
16,447		Flash Head Bracket. for mounting flash head of Braun Hobby Automatic EF 3, Automatic A.A., Special A.M. or A.N.C. or Standard on Leica accessory shoe or flash angle brackets #16,125, #16,185 or #16,180. Also fits most other camera accessory shoes. . . . .	\$ 2.00
NOTE: Domestic cords can be used with ASA synchronizer outlets.			
<b>Replacement Parts for the Standard</b>			
16,408	LCBHSR	Line Cord (4½ foot). Necessary for A.C. operation and when recharging storage battery in unit (as replacement) . . . . .	1.80
16,436	RBHSBV	Vibrator, with muffler. For former models with pebbled reflectors and serial numbers below 271,626 only. . . . .	9.00
16,449		Vibrator, with muffler. For former models with mirror-center reflectors and serial number 271,626 or higher only (cannot be used in Standard EF 1). . . . .	9.00
(FOR FUSES, SEE BELOW)			
<b>Fuses For Braun Hobby Units</b>			
16,423		Fuse, 400ma, for Automatic EF 3 and models of the Automatic with serial numbers above 400,000. . . . .	.15
16,424		Fuse, 180ma, for Special EF 2, Special EF 2NC, Standard EF 1 and previous models of the Special . . . . .	.15
16,422		Fuse, 300ma, for previous models of the Automatic with serial numbers below 400,000, and the Braun Hobby "100" . . . . .	.15

New and genuine Leica equipment is sold only through franchised Leica dealers, who are distinguished by the display of the Leica dealer emblem.



*Prices and design characteristics subject to change without notice.  
Prices effective Feb. 1, 1959*