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NEW **SPECTRA®** "COMBI-500"

Professional
Exposure
Meter

**500 X
MORE
SENSITIVE!**



PATENT PENDING



PHOTO RESEARCH CORP.

Karl Freund, President

837 North Cahuenga Blvd., Hollywood 38, California

PHOTOMETRY IS OUR BUSINESS . . . NOT A SIDELINE

NEW SPECTRA®

The new Spectra "Combi-500" Professional Exposure Meter retains every advantage of the famous Spectra Professional! The "Combi-500" combines a SELENIUM CELL and NEWLY DEVELOPED BATTERY OPERATED ULTRA-SENSITIVE SPECTRALLY RESPONSE CORRECTED, PHOTO-CONDUCTIVE CELL.

Sensitivity is 500 times that of the average selenium cell meter, 100 times more than the highly sensitive Spectra Professional Meter. Exposures are indicated for extremely low light levels. The two tiny, easily accessible, mercury batteries are used in the SPECTRA "COMBI-500" **ONLY WITH THE ULTRA-SENSITIVE RANGE, NOT FOR NORMAL CONDITIONS WHICH COMPRISE MOST EXPOSURE SITUATIONS.**

Simple Conversion to "Combi-500" Operation

The professional photographer who purchases the new "Combi-500" . . . or has his Spectra Professional Exposure Meter converted to "Combi-500" will experience no operational problems. His experience and the information in this folder and in the Spectra Professional Exposure Meter manual will enable the professional photographer to consistently determine accurate settings for both normal and extremely low light level photographic situations.

www.butkus.us

NEW *SPECTRA*[®] PHOTOSHIELD

Protect Your Photosphere!

The new Spectra Photoshield protects the Photosphere of your Professional Exposure Meter against damage. It helps eliminate inconvenient, costly meter "down time" and photosphere repairs. The Photoshield removes and snaps securely on in a split second, is made of strong, light weight metal and comes in attractive, dull meter-matching black. See your Photo Dealer or write direct to Photo Research Corp., 837 No. Cahuenga Blvd., Hollywood 38, California.

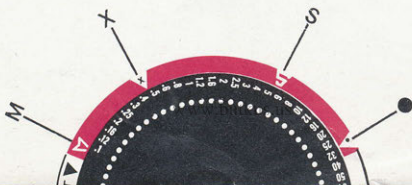


"COMBI-500"

HOW TO USE THE *SPECTRA*® "COMBI-500"

When you find no indicated reading on the standard selenium cell, press red booster button for low, ultra sensitive range. If pointer goes beyond 250 insert low range multiplying slide marked with "Red" X and use corresponding "Red" X on computer — for calculating proper exposure. Additional reference points as indicated below—(red band on computer).

- S** READ SHUTTER SPEED DIAL IN SECONDS
- SPHERE REMOVED SPEED DIAL IN SECONDS
- X** is used with MULTIPLYING SLIDE MARKED WITH RED "X" to EXTEND LOW RANGE to intermediate light levels. READ SHUTTER SPEED DIAL IN SECONDS. (Note: No other multiplying slide should be used with the low, Ultra-Sensitive Range).
- X** Reference point for REFLECTED LIGHT READINGS with PHOTOGRID. READ EXPOSURE SPEED DIAL IN SECONDS.
- M** READ SHUTTER SPEED DIAL IN MINUTES (X) PHOTO-SPHERE REMOVED. READ EXPOSURE SPEED DIAL IN MINUTES.



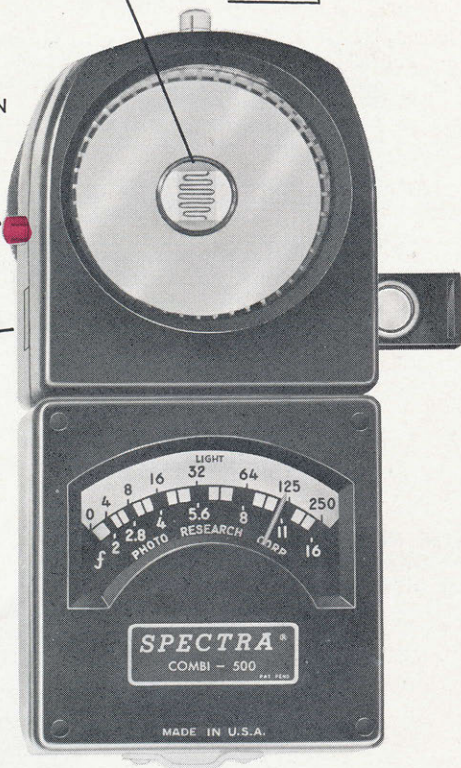
EXPOSURE METER

NEW HIGHLY SENSITIVE
PHOTO-CONDUCTIVE CELL

PRESS WHITE BUTTON
FOR BATTERY TEST

PRESS RED BUTTON
FOR LOW
LIGHT LEVEL
(ultra-sensitive)

PUSH TO
REMOVE
BATTERY
HOLDER



**NOTE: TWO TINY
MERCURY BAT-
TERIES OPERATE
THE NEWLY DE-
VELOPED PHOTO-
CONDUCTIVE CELL
FOR LOW RANGE
EXPOSURES ONLY
... NOT FOR NOR-
MAL CONDITIONS**

WHEN TO REPLACE BATTERIES

The batteries are checked by pressing the WHITE BUTTON on the top of the cell housing. If the pointer reads below the bottom edge of the 64 block, the batteries should be replaced.

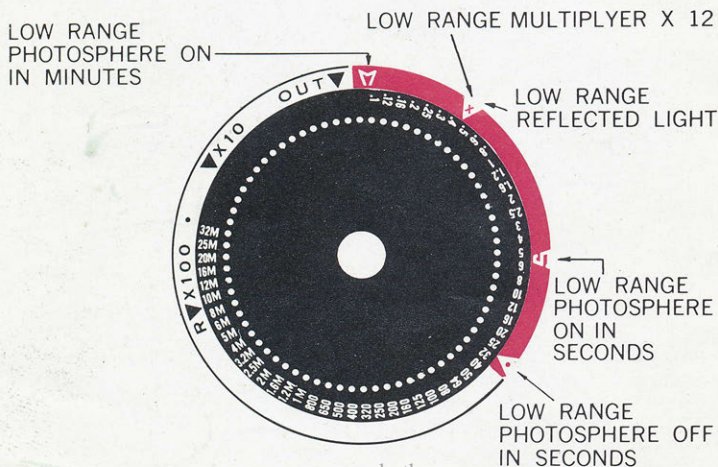
HOW TO REPLACE BATTERIES

To Replace Batteries use coin to push battery compartment out by pressing on slot below Red Switch Button. Replace with Mallory RM 625R or equivalent — note Polarity markings on Battery Holder.

Instructions for Using Computer with Low Range

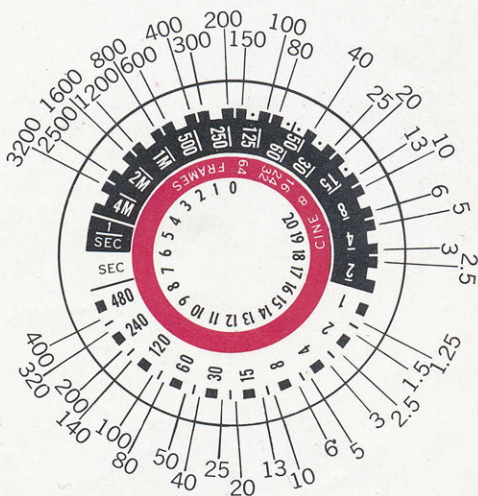
- "Red" band on outer dial is for low range reference.
- "S" is the STANDARD REFERENCE POINT. It is used under most circumstances. READ SHUTTERSPEED DIAL IN SECONDS as marked.
- In extremely dim light the Photosphere may be removed and the RED dot to right of "S" should be used.
- As an added convenience when exposures of long duration are necessary, the "M" (minute) reference point may be used and the shutter speed dial read in Minutes.
- RED "X" to the right of "M" is used with PHOTO-SPHERE OFF. Read shutter speed in Minutes.
- RED "X" is also used as a reference point to extend the low range by use of MULTIPLYING SLIDE MARKED WITH RED "X". Read Shutter Speed Dial in Seconds.
- RED "X" is also the reference for REFLECTED LIGHT READING with the PHOTOGRID. (No multiplying is used with Photogrid.) READ SHUTTER SPEED DIAL IN SECONDS.

NOTE: "EV" window is NOT used with the low Ultra-Sensitive Range.



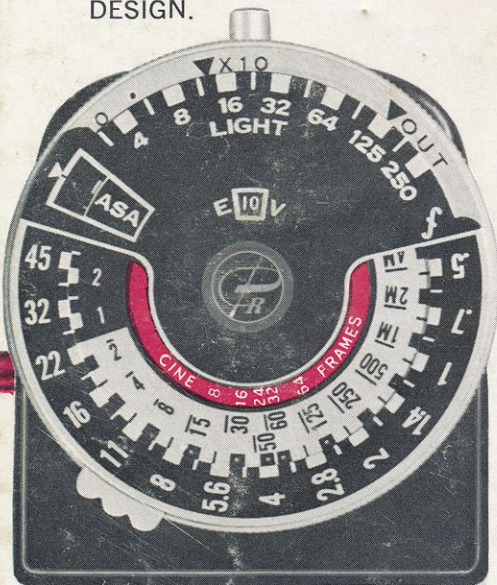


Photosphere removed: 500 times more sensitive.



COMPUTER

NOW AVAILABLE FOR ALL MODELS OF THE SPECTRA PROFESSIONAL EXPOSURE METER. THE NEWEST IDEA IN ADVANCED COMPUTER DESIGN.



COMPUTER SPECIFICATIONS:

1/4000 Sec. to 8 Hours
f.5 to f45
ASA .1 to ASA 32000
Meter indicates from .008ft-c to 25000 ft-c
Cine frames per sec.
8 to 64
EV 1-20

ACTUAL SIZE



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