

The Minolta Flash Meter.



A complete and versatile exposure metering system for direct f/stop readings of strobe, flashbulb, and ambient light.

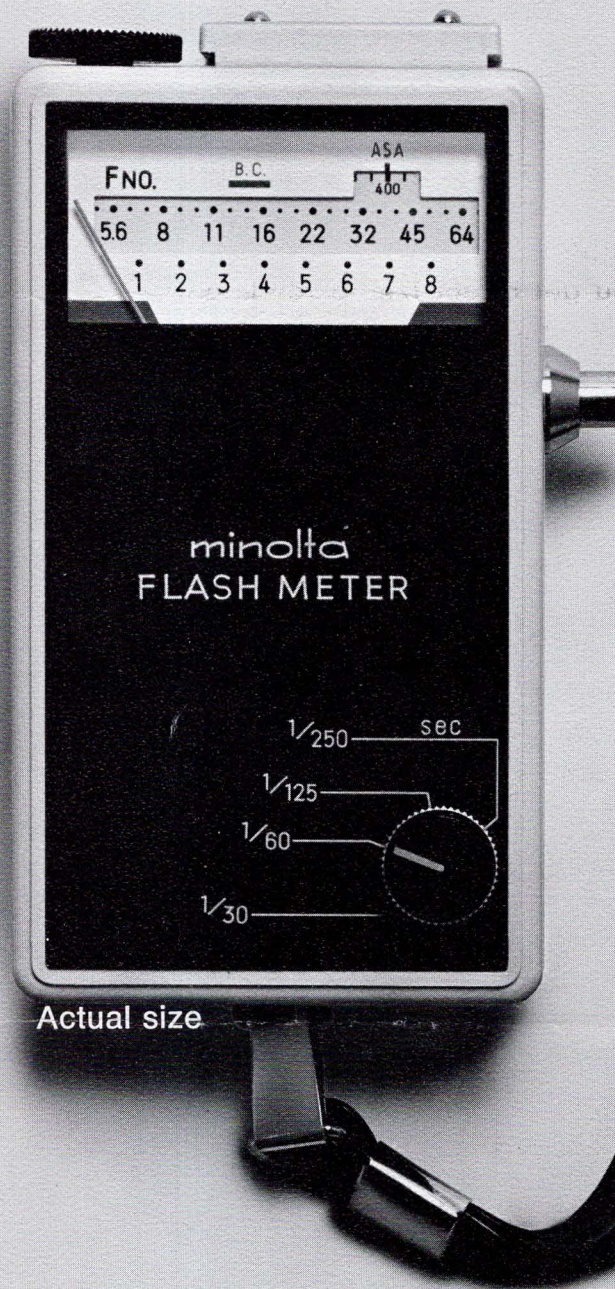
The Minolta Flash Meter is lightweight, compact and exceptionally fast handling. It lets you measure strobe and flashbulb with the speed and accuracy of a conventional exposure meter.

The heart of the Minolta Flash Meter is a newly developed blue silicon cell that responds far more quickly and with greater sensitivity to the short duration of strobe light and flashbulbs.

Because you get direct f/stop readings instantaneously on an illuminated scale, at any of four shutter speeds, you can forget about time-consuming and possibly inaccurate guide number conversions.

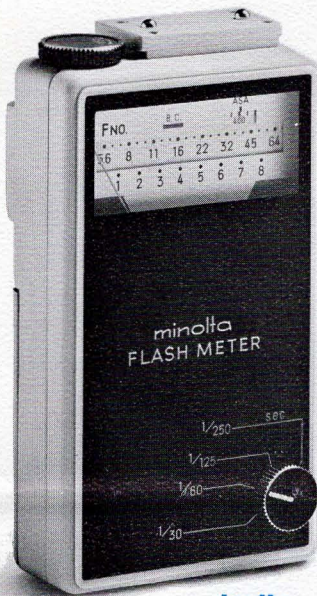
Or you can use the Minolta Flash Meter to establish a precise guide number for shooting situations in which you plan to vary distance to the subject.

And the Minolta Flash Meter measures available light with equal efficiency. Indoors or out, studio floods, sun or any other light source, it will provide an accurate exposure reading at your choice of four shutter speeds.



Actual size

The Minolta Flash Meter: it's more meters than one.



More than just an exposure meter, this is a complete metering system. The Minolta Flash Meter adapts quickly and easily for measuring virtually any light source from strobe to sun.

For measuring strobe light or flash-

bulb you simply plug your light source into the Flash Meter. Then set ASA and shutter speed and press the exposure reading button. Instantly and automatically your flash fires and the indicator moves to the exact f/stop for flash exposure. And it will stay there as long as your finger remains on the button.

A connecting cord allows you to separate the Flash Meter from your light source by up to 20 feet.

If you don't plan to take all your pictures from the same distance, use the Flash Meter to establish an accurate guide number. Just take a test shot at 10 feet and multiply that distance by the resulting f/stop.



The result will be a guide number you can use to determine the correct exposure at any distance.

To measure available light or artificial light from floodlamps, spotlights or any other source, you just set ASA and shutter speed, aim the Minolta Flash Meter and take an f/stop reading right off the scale.

Reading incident light with the Minolta Flash Meter is as easy as attaching one of the two special discs that come with the system. The flat disc admits light coming from a single direction over a 180° field. The dome disc can measure light coming from more than one direction.

For reading a narrow 10° field, you need only slip the unique spot attachment into the hot shoe on top of the Minolta Flash Meter. It automatically disengages the incident reading circuitry.

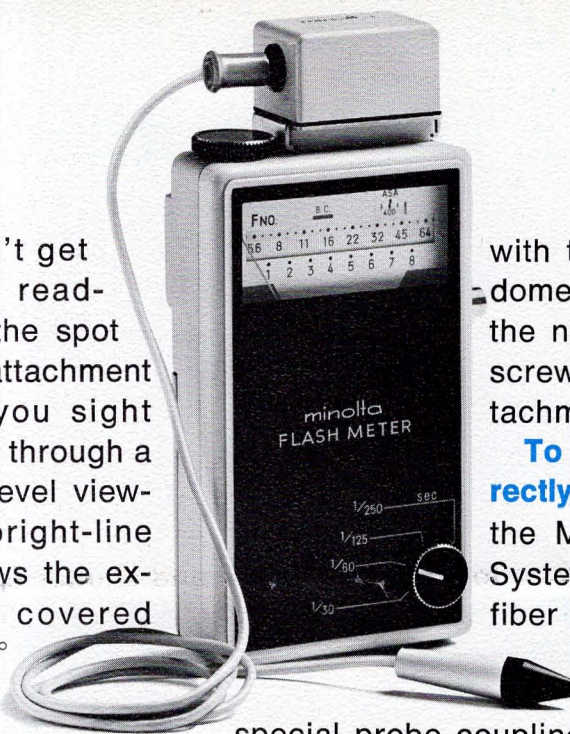




You can't get off-target readings with the spot metering attachment because you sight the subject through a tinted eyelevel viewfinder. A bright-line circle shows the exact area covered by the 10° angle of acceptance. And a center spot pinpoints your target for extremely critical measurements.

Even with back-lighting on your subject, the 10° angle of acceptance eliminates the need to move in for close-ups. Without moving from camera position, you can measure skin tones, highlights and shadows with extreme accuracy.

To extend your measuring range four full stops, for use in close-up work or with high-speed films, two neutral density attachments are available for use with the Flash Meter. For incident readings, the neutral density filter is used along



with the incident disc or dome. For spot readings, the neutral density mask screws onto the spot attachment.

To read exposure directly off a ground glass, the Minolta Flash Meter System includes a unique fiber optics probe. This optional accessory attaches, via a

special probe coupling device, to the hot shoe on the Flash Meter. To use the probe, you simply hold its fiber optics tip against the point in the ground glass showing the part of the subject to be measured.

For measuring light in inaccessible places, an optional flat disc probe attaches to the Minolta Flash Meter. You'll find this versatile accessory is particularly helpful for dental, medical, close-up and micro photography.



A durable leather carrying case cradles and protects all the components of the Minolta Flash Meter System.

Minolta Flash Meter specifications.

Type: blue silicon

Meter movement: taut-band system

ASA range: 12 to 1600

Aperture scale: set simultaneously with ASA speed via a knurled control; can be locked in position

f/1 to f/11 at ASA 12
f/1.4 to f/16 at ASA 25
f/2 to f/22 at ASA 50
f/2.8 to f/32 at ASA 100
f/4 to f/45 at ASA 200
f/5.6 to f/64 at ASA 400
f/8 to f/90 at ASA 800
f/11 to f/128 at ASA 1600

linear f/stop scale with 1/3-stop increments; indicator holds at reading as long as exposure button is depressed

Shutter speeds: 1/30th, 1/60th, 1/125th, 1/250th sec.

Measuring functions: 180-degree incident

or 10-degree spot reading of strobe light or flashbulb • 180-degree incident or 10-degree spot reading of ambient light

System components: spot metering attachment • flat incident disc • dome incident disc • neutral density filter • neutral density mask • 20 foot flash connecting cord • leather wrist strap • leather compartment case • fiber optics probe • flat disc probe • probe coupler

Dimensions: 2-13/16 inches side-to-side • 1-3/8 inches front-to-back • 5-13/16 inches top-to-bottom, without spot attachment • 6-1/2 inches top-to-bottom, with spot metering attachment.

Weight: 14 ounces with batteries and without spot attachment • 17 ounces with batteries and spot attachment

Power sources: five Mallory PX-13 batteries or equivalent for operation • one Mallory 15P penlight battery or equivalent for scale illumination

