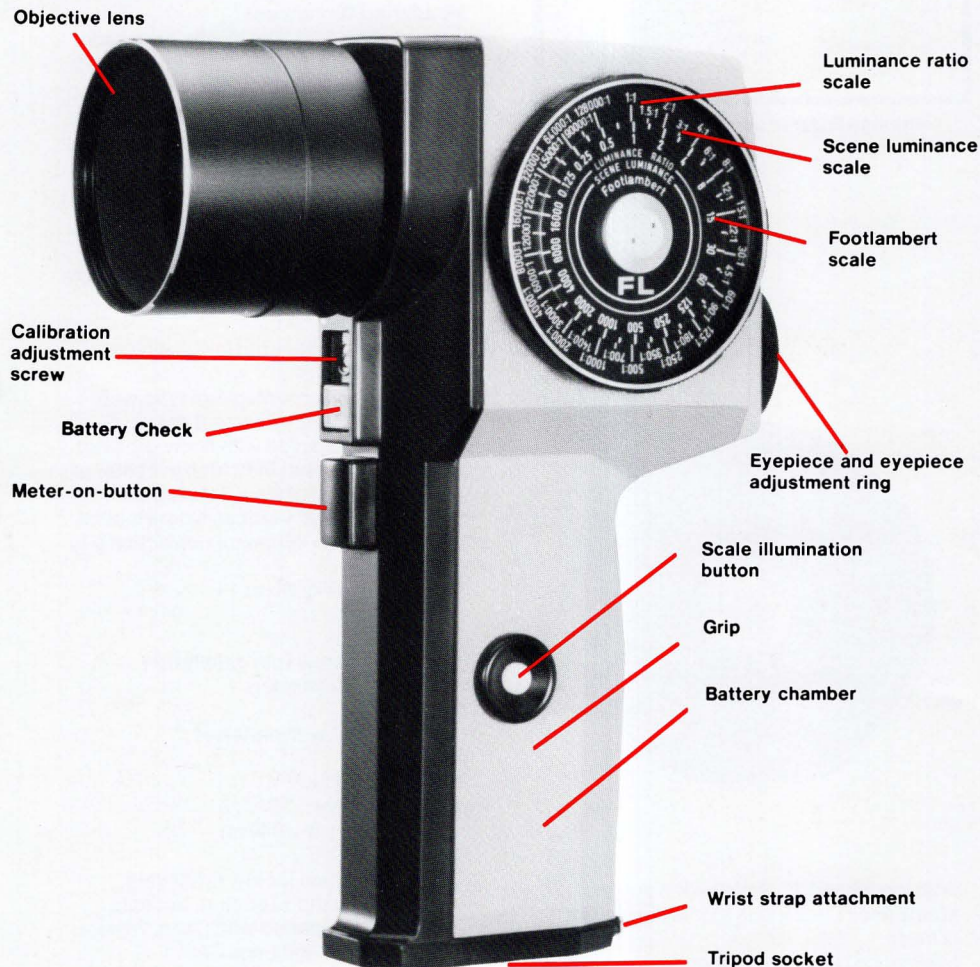


PENTAX

Spotmeter V-FL



1° Spot Exposure readings directly in foot lamberts.

The easiest and most accurate method to evaluate scene brightness is with the new Spotmeter V-FL from Pentax. With the amazing ability to read a 1° area, TV and film metering will never be the same.

Both the viewfinder scale and the calculator dial are calibrated directly in foot lamberts (ft/L), eliminating the time required, and the chance for error, for converting EV values into foot lamberts.

As luminance values are determined by metering both the brightest and the darkest areas in a given area, the calculator dial features two scales for easy calculation of luminance ratio variations. And with the 1° spot readings, you have the assurance that both bright and dark readings will be highly precise, with the accuracy you have come to expect of the Pentax Silicon Photo Diode (SPD) cells.

The inner scale of the calculator dial features a foot lambert scale ranging from 0.125 to 16000 ft/L; while the outer scale indicates corresponding luminance ratios from 1:1 to 1:128,000. By simply matching the foot lambert reading of the darkest area metered to the 1:1 index mark, the luminance ratio is instantly calculated.

The new Spotmeter V-FL incorporates all of the technology and dependability of the famous Pentax Spotmeter V — acclaimed by professionals around the world for accuracy and dependability.

Now, whether its matching live TV studio conditions with film materials, establishing TV or motion picture light for new productions, setting up home video cameras, measuring industrial or office lighting conditions for safety regulations, or performing numerous laboratory and technical operations, the new Spotmeter V-FL from Pentax is your assurance of fast, easy, precise and accurate foot lambert measurement.

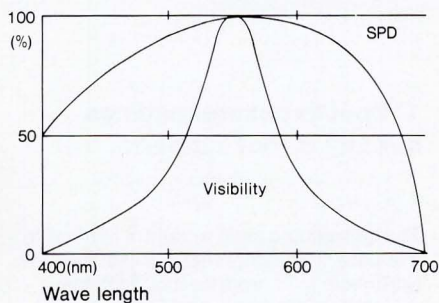
Cat. No.

36127 Spotmeter V-FL w/Case

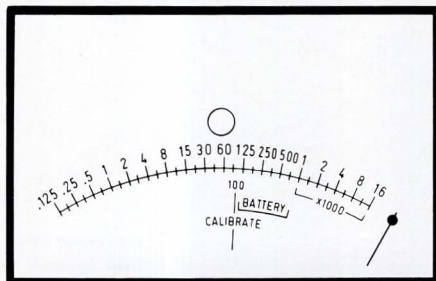
Specifications on next page.

PENTAX

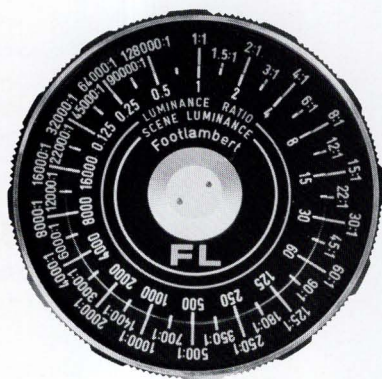
Spotmeter V-FL



The Spotmeter V-FL SPD spectroscopic sensitivity.



The viewfinder of the Spotmeter V-FL



With the etched 1° circle on the subject area a direct reading in foot lamberts (ft/L) is made.

Luminance ratios are determined by reading both the brightest and the darkest spots in a given area. If the brightest spot reads 1000 ft/L, for instance, and the darkest spot reads 2 ft/L, align the 2 ft/L index on the inner scale to the 1:1 luminance ratio index mark on the outer scale. A glance at the 1000 ft/L position (which was the brightest spot measured) on the inner scale immediately informs you that the luminance ratio is 500:1.

Specifications

Measuring ranges:

0.125 to 16000 ft/L.

Scene luminance 1.5:1

Luminance ratio 1:1 to 128000:1

Measuring Angle:

Circle of 1° of arc in center of finder.

Measuring Distances:

From about 5 ft. (1.5m) to infinity — fixed focal length. (Focusing down to about 3 ft. (1 meter) possible by turning the eyepiece.

Measuring Method:

Spot measuring of reflected light. (Meter switches on when button is pressed).

Photosensitive Cell:

Silicon photo diode (SPD)

Power Supply:

Three 1.5v silver batteries. (Eveready S76 or equivalent)

Battery Check:

Battery check indicated in viewfinder.

Viewfinder:

Single lens reflex pentaprism type with unreversed, laterally correct image. Even illumination achieved with finely grooved fresnel lens. 1° spot indicated in center of viewfinder. Field of view 21° diagonal, 17° horizontal and 12° vertical. Magnification 1.5X. Adjustable eyepiece correction 0 to -1 diopter.

Filter Accessory Size:

46mm

Calibration:

Adjustment screw with calibration indicated in viewfinder.

Weight:

Weight:
15.9 oz (450g) with batteries.

Dimensions:

2.5" W x 6.4" H x 5" L

(62mm x 163mm x 127mm)

Width of grip: 1.3" (34mm)

Additional:

Scale illumination for low ft/L levels.

Equipped with tripod socket, accepts

Equipped with tripod socket, accepts 46mm filters, supplied with Case, Wrist Strap, batteries and Lens Cap.

Cat. No.

36127 Spotmeter V-FL w/Case