

Product designation

Exposure meter FM 2000

Article no. 56.102.00

Product description

Exposure meter, easy to operate, with liquid crystal display, measuring range “time-priority” (for flash and continuous light) f:1.4 to f:90 9/10, measuring range “Ev” (only for continuous light) Ev. -1 to Ev.19.9, measuring in 1/10 f-stop steps, repeatable accuracy: 1/10 f-stop, measures single flashes as well as, alternatively, continuous light in the photography or film/video mode, permits the measurement of mixed-light situations (flash and continuous light) as well as light and object measuring, the multiple-use diffuser is retractable for its protection, release by sync cable or by hand with the release key of the VISATEC unit (mode “cord” or “non-cord”), measuring head swivelling about 270°, on/off switch, measuring key, film speed (ISO) adjustment, calibration device, stand thread, automatic switch off after 10 minutes waiting period.

Scope of delivery

Exposure meter FM 2000, 3-V battery, neck strap, bag, operating instructions.

Technical data

Measuring system	incident light: sphere diffuser, retractable reflected light: angle of incidence 55 °
Measuring range ‘ambient light’ (with 100 ISO)	f: 1.0 ~ f: 90 9/10 (Ev - 1 ~ 19.9)
Measuring range ‘flash’ (with 100 ISO)	f: 4.0 ~ f: 90 9/10
Measuring sensor	Silicone photo diode
Repeatable accuracy	± 0.1 Ev (≈ 1/10 f-stop value)
Measuring head	swivelling about 270°
Operating modes:	- exposure value measurement
continuous light	- f-stop measurement (t-priority)
flash	with or without synchronization
cine	- exposure value measurement
	- f-stop measurement (frame rate pre-selection)
Film speed	3 to 8000 ISO in 1/3 f-stop increments
Shutter speed with flashes	1/1000 s ~ 1 s plus 1/75 s; 1/80 s; 1/90 s; 1/100 s; 1/200 s and 1400 s
Shutter speed with continuous light	1/8000 s ~ 30 min. plus 1/200 s and 1/400 s
Frame rates	8, 12, 16, 18, 24, 25, 30, 32, 64, 128

Data sheet

Warning signs	E^- = overexposure $E_+ =$ underexposure
Fine adjustment brightness	Compensation exposure values from $-2.1 \sim +2.1$ Ev in 0.3 f-stop steps
Power source	CR-2 lithium battery (3 V)
Synchronization	Sync cable
Operating Temperature	-10° to $\sim +50^\circ$ celsius
Dimensions (LxHxB)	114 x 60 x 36 mm
Weight	102 g (without battery)
Standard accessories	Neck strap, bag, CR-2 lithium battery

Special features / restrictions

Measuring of multiple flashes is not possible.

Application

The exposure meter FM 2000 permits a precise measurement (in tenth of f-stops) of flashes and continuous light as well as of mixed-light situations. The unit is designed for all areas of photography as well as for video and film. It's an extremely handy, easy to operate and robust measuring unit.