

Product designation**Colormeter FCC**

Article no. 36.340.00

Product description

FCC is a measuring unit to measure flash duration, colour temperature and light intensity in LUX. The measuring action is comparable to the one of the FCM 2. Values are displayed by the easy to read LCD display. This unit is operated by the eight multi-function keys and the release rocker switch. The flash may be released via sync cable or wireless via the integrated 2-channel IRS transmitter.

Scope of delivery

Colormeter FCC, shoulder strap, bag, operating instructions.
Battery 9 V to be ordered separately.

Technical data**Colormeter**

System	3-colour integrator to measure colour temperature
Measuring method	flash or permanent light (no add-on units required)
Measuring range	1800 K to 40'000 K
Filtering	filter calculation LB (light balancing) in the range of +/- 199 mired filter calculation CC (colour compensating) 50 green to 50 magenta
Reference	programming of colour temperature corresponding to the film, at random or pre-programmed
Measuring time	flash light 1/30 s, 1/250 s (selectable); permanent light depending on brightness (max. 10 s)
Brightness max.	comparable to f: 90 5/10 for 100 ISO
Synchronization	by infrared pulse (2-channel system), cable, photocell
IRS transmitter	suitable for flash release and remote control of colour temperature of Pulso A as well as Grafit A / A plus power packs

Chronoscope

System measurement of time (t 0.1) of a flash pulse
Measuring range 1/15 s to 1/8000 s

Luxmeter

Measuring range 50 lx to 100'000 lx
Power supply 1 battery 9 V, check display
Display liquid crystal display
Dimensions 145 x 80 x 36 mm
Weight 220 g (without battery)

Compatibility

Power packs Grafit 2, 4, A2, A4, A2 RFS, A8 RFS, A2 plus, A4 plus
Topas A2, A4, A8
Nano 2, Mobil
Primo, Primo A, Primo A fashion, Primo 4
Pulso 2, A2, 4, A4, 8,
Opus 2, A2, 4, A4, A8
Minipuls C

* Minipuls C units can only be released with FCC measuring units produced after 1 January, 1995.

Special features

Colour temperature may be exclusively corrected with the Pulso A and Grafit A / A plus power packs.

Application

Colour temperature measurement for daylight and flash light in professional and semi-professional ranges. Flash duration measurements suitable for all makes, including amateur unit up to 1/8000 s, light measurement in LUX, suitable for measurements in industry, architecture, illumination intensity of work places, illumination for reproductions and in film and video technology.

Arguments

FCC is an extremely reasonably priced measuring device with multiple functions, with measurement of colour temperature and data on filtering being of primary importance. Quality of shots and their colour structure can be improved, resulting in reliable, more constant results. A measurement of flash duration, which to date was possible only with more complicated and more expensive laboratory equipment, can now easily be performed with the FCC in practical applications. As such, intended motion smudges or focussed, frozen shots of specific objects can now be predetermined.

LUX measurement, which is of no importance for normal use in photographic studios, will arouse the interest of photographers dealing with video technology and film technology.