

# COLORMASTER 3F

The GOSSEN 3-Colour  
Temperature Meter for Perfect  
and Creative Colour Photographs



**GOSSEN**

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## Reliability, Precision and Quality

A digital 3-colour meter for measuring the colour temperature of ambient and flash light and indicating the appropriate LB and CC filters for photography – also light intensity and flash power.

In professional photography the correct reproduction of colour is one of the most important requirements. The lighting conditions of the scene will often require the use of filters. The GOSSEN

Colormaster 3F provides all the capabilities the professional photographer will need. At the push of a single button the colour temperature is measured and the corresponding filters in LB and CC values are displayed. The settings and readings automatically appear on the display. The different sources of light, be it daylight or artificial light (incandescent lamp, halogen etc.), fluorescent tubes, are measured with great accuracy to analyse the finest differences in the colour temperature. The meter is also ideally suited for the photographers' work in the studio and on location. Flash sync speeds between  $\frac{1}{500}$  and  $\frac{1}{2}$  sec. can be preselected.



### Special features

- Preselection of the colour temperature of the film used – standard types and intermediate values
- Preset colour temperature characteristics of the film used and preselected functions are constantly shown in the display
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- Readings of the luminous intensity of ambient light in Lux and flash power in Lux/seconds
- A second diffuser for extending the measuring ranges for powerful flash and continuous light is included with each meter
- Meter readings and preset values remain stored in the memory, even after shut-off
- Light sensor consisting of three silicon photocells with special filters
- Automatic battery check
- Simple one-hand operation; the swivel head providing comfortable, professional measuring

### Technical Data

Measuring light sensor	Three silicon photocells with special filters
Measuring ranges	
Colour temperature	2 000 to 40 000 K
LB filter values (Light balancing)	-399 to + 475 mired or corresponding Kodak-Wratten filter values, switch-selectable
CC filter values (Colour compensating)	0 to 95 magenta 0 to 95 green
Luminous intensity	10 to 190 000 lux, in two ranges, with special diffusor supplied with the meter
Flash power	5 to 20 800 lxs, in two ranges, with special diffusor supplied with the meter
Display ranges	
Presetting film temperature	2 000 to 9 900 K
Flash synch times	all speeds from $\frac{1}{500}$ to $\frac{1}{2}$ sec., including $\frac{1}{90}$ sec.
Display duration	2 minutes, followed by automatic shut-off, values remain stored
Battery	9 V; battery check display
Accessories	Special diffusor for powerful flash and bright continuous light, case, carrying strap, battery and operating instructions
Dimensions	approx. 128 x 71 x 24 mm
Weight	approx. 130 g (without battery)

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