

QUANTUM CFX-1 and CFX-2 FILTER ACCESSORIES

INSTRUCTIONS

Calcu-Light and Calcu-Flash Filter accessories CFX-1 and CFX-2 are for taking calibrated measurements through filters equivalent to those used on the camera lens.

Attaching CFX-1 and CFX-2

Remove the standard turret in use and replace it with the CFT turret. The CFT turret measures incident and reflected light in the usual manner without any filter attached.

Next, select the appropriate filter (the same type as used on your camera lens) and screw it onto the CFT turret.

Using CFX-1 and CFX-2

Take reflected light measurements as you normally would. No compensations or filter factors need be applied since the Calcu-Light or Calcu-Flash silicon photodiode is subject to the same filtered light as the film. The CFT turret measures over the same 30° angle, in the reflected mode, as the standard turret.

(Since the CFT turret also has a diffuser dome, incident light measurements can also be made. However, keep in mind that filter correction applies only to reflected light measurements).

The neutral density (4x) filter is used in conjunction with a colored filter by dropping it into the back of the filter holder and then screwing the assembly to the CFT turret. Its purpose is to make proper measurements when a polarizing filter plus a colored filter are used on the camera lens. (While the 4x filter is not a polarizer, it does correct for the basic 4x neutral density attenuation of a polarizing filter. Most polarized shots require compensation for the overall 4x loss of light but not for the polarizing effect, which is meant to darken only particular features of the scene).

When using only a polarizing filter on the lens of your camera, compensation can be achieved by decreasing the ASA or DIN film speed on Calcu-Light or Calcu-Flash by 2 stops, or by using the 4x neutral density filter in conjunction with the optional FH-1 empty filter holder.