

# Orion® Basic Set of Four Color Filters

## #5514 Basic Set of 4 Filters, 1.25"

- #80A Medium Blue,
- #58 Green,
- #25 Red,
- #15 Deep Yellow



Your new Orion® filters will enhance your visual and photographic observation of the Moon and planets, allowing you to see greater contrast between planetary details of differing colors. To use your Orion color filters, simply thread them into the barrel of your standard 1.25" or 2" eyepieces and use your eyepieces normally. You may also stack Orion filters by threading them into each other or use the filters photographically by threading them into eyepieces used in tele extenders and universal camera adapters.

### How They Work

Planetary surface features and atmospheric phenomena reflect sunlight as contrasting colors which we see as “details” on the “disk” of a planet. An Orion eyepiece filter absorbs a specific color of reflected light: for example, red. Absorbing red will reveal detail of a contrasting color, like green, otherwise disguised by the proximity of the red. This lightening of similar colors and darkening of contrasting colors enhances the “detail” that you see. This is the way all Orion color filters function. Orion color filters do not actually increase the level of detail, they merely make it easier to see.

### Filter Selection Guide

**#80A Medium Blue** Primarily for studying structures of planetary features in upper atmospheres of Jupiter and Saturn. Very popular for Jupiter’s Great Red Spot or the festoons in Jupiter’s belts. Reduces red, green and yellow wavelengths.

**#58 Green** Reduces red and blue wavelengths. Excellent for increasing contrast of Martian polar caps, low-flying Martian clouds and yellowish Martian dust storms. Great for studies of low-contrast blue and red Jovian features and for Venus and the Moon. Reduces chromatic aberration inherent in some refractors.

**#25 Red** Ideal for observation of the polar ice caps of Mars and features on the Martian surface. Also for the blue clouds of Jupiter and Saturn. Darkens blue wavelengths.

**#15 Deep Yellow** Reduces blue wavelengths. Mainly for lunar viewing. Improves contrast and reduces irradiation between features of varying brightness. Also for penetrating the atmospheres of Mars, Jupiter or Saturn.

### Care of your color filters

To insure long life for your Orion color filters, avoid touching the glass. Use compressed air to blow off dust particles. If the glass surface should accumulate oily dirt, use lens cleaning fluid and tissue as instructed on their packages.

### The Importance of “Good Seeing”

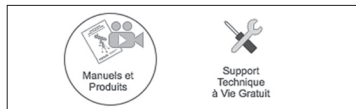
It is important to realize that one of the most important factors affecting your viewing is “seeing” conditions. Even the largest observatory telescope will not perform at its best when Earth’s atmosphere is turbulent and unstable. If the stars appear to twinkle a lot, the seeing is probably not ideal. If star images are reasonably stable, the seeing is probably quite good.

### Francais

① Pour obtenir le manuel d'utilisation complet, veuillez vous rendre sur le site Web [OrionTelescopes.eu/fr](http://OrionTelescopes.eu/fr) et saisir la référence du produit dans la barre de recherche.

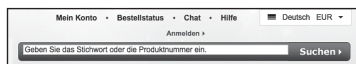


② Cliquez ensuite sur le lien du manuel d'utilisation du produit sur la page de description du produit.

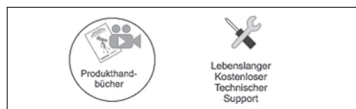


### Deutsche

① Wenn Sie das vollständige Handbuch einsehen möchten, wechseln Sie zu [OrionTelescopes.de](http://OrionTelescopes.de), und geben Sie in der Suchleiste die Artikelnummer der Orion-Kamera ein.



② Klicken Sie anschließend auf der Seite mit den Produktdetails auf den Link des entsprechenden Produkthandbuchs.



### Español

① Para ver el manual completo, visite [OrionTelescopes.eu](http://OrionTelescopes.eu) y escriba el número de artículo del producto en la barra de búsqueda.



② A continuación, haga clic en el enlace al manual del producto de la página de detalle del producto.



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This Orion product is warranted against defects in materials or workmanship for a period of one year from the date of purchase. This warranty is for the benefit of the original retail purchaser only. During this warranty period Orion Telescopes & Binoculars will repair or replace, at Orion's option, any warranted instrument that proves to be defective, provided it is returned postage paid. Proof of purchase (such as a copy of the original receipt) is required. This warranty is only valid in the country of purchase.

This warranty does not apply if, in Orion's judgment, the instrument has been abused, mishandled, or modified, nor does it apply to normal wear and tear. This warranty gives you specific legal rights. It is not intended to remove or restrict your other legal rights under applicable local consumer law; your state or national statutory consumer rights governing the sale of consumer goods remain fully applicable.

For further warranty information, please visit [www.OrionTelescopes.com/warranty](http://www.OrionTelescopes.com/warranty).



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