

FLUORILON GRAY SCALE TARGETS



Gray scale diffuse reflectance targets

Categories: [PHYSICAL STANDARDS](#), [REFLECTANCE STANDARDS](#)



Product Information

Avian Technologies Fluorilon™ gray scale targets allow the user to calibrate instruments such as spectroradiometers over a 2 decade range of reflectance, which is well over the typical range seen by a reflectance instrument. The materials are highly diffuse and have little angular dependence and almost no gloss; specular included and excluded geometries will show little difference in reflectance values. In addition to single reflectance targets, arrays of multiple reflectance values (contrast targets) are also available in various sizes and reflectance values.

Options/Specifications

Nominal reflectances at 600 nm	2%, 5%, 10%, 20%, 40%, 60%, 80%, 99%*
Calibration	Calibrated or uncalibrated
Dimensions	Square: 2.00", 4.00", 5.00", 6.00", 10.0"; in Delrin holder with ¼-20 mount, or without mount

*Tolerance is +/- 1% at 600 nm for 2%, 5%, and 99% targets. All others have a tolerance of +/- 2%.

In addition to square targets, we offer [round standards](#) in the same material. Custom sizes & sets are also available; contact us to discuss your specific application.

Ordering

FGT-xx-02

*2.00" square Fluorilon Gray Scale Target,
in Delrin Holder with ¼-20 mount*

FGT-xx-04	<i>4.00" square Fluorilon Gray Scale Target, in Delrin Holder with 1/4-20 mount</i>
FGT-xx-05	<i>5.00" square Fluorilon Gray Scale Target, in Delrin Holder with 1/4-20 mount</i>
FGT-xx-06	<i>6.00" square Fluorilon Gray Scale Target, in Delrin Holder with 1/4-20 mount</i>
FGT-xx-10	<i>10.0" square Fluorilon Gray Scale Target, in Delrin Holder with 1/4-20 mount</i>
Custom	<i>Custom products are our specialty! Contact us for more information.</i>



Gray scale standards are essential for establishing the photometric linearity of a reflectance spectrometer.

Avian Technologies Fluorilon™ gray scale standards allow the user to calibrate an instrument over a 2 decade range of reflectance, which is well over the typical range seen by a reflectance instrument. The materials are highly diffuse and have little angular dependence and almost no gloss; specular included and excluded geometries will show little difference in reflectance values.

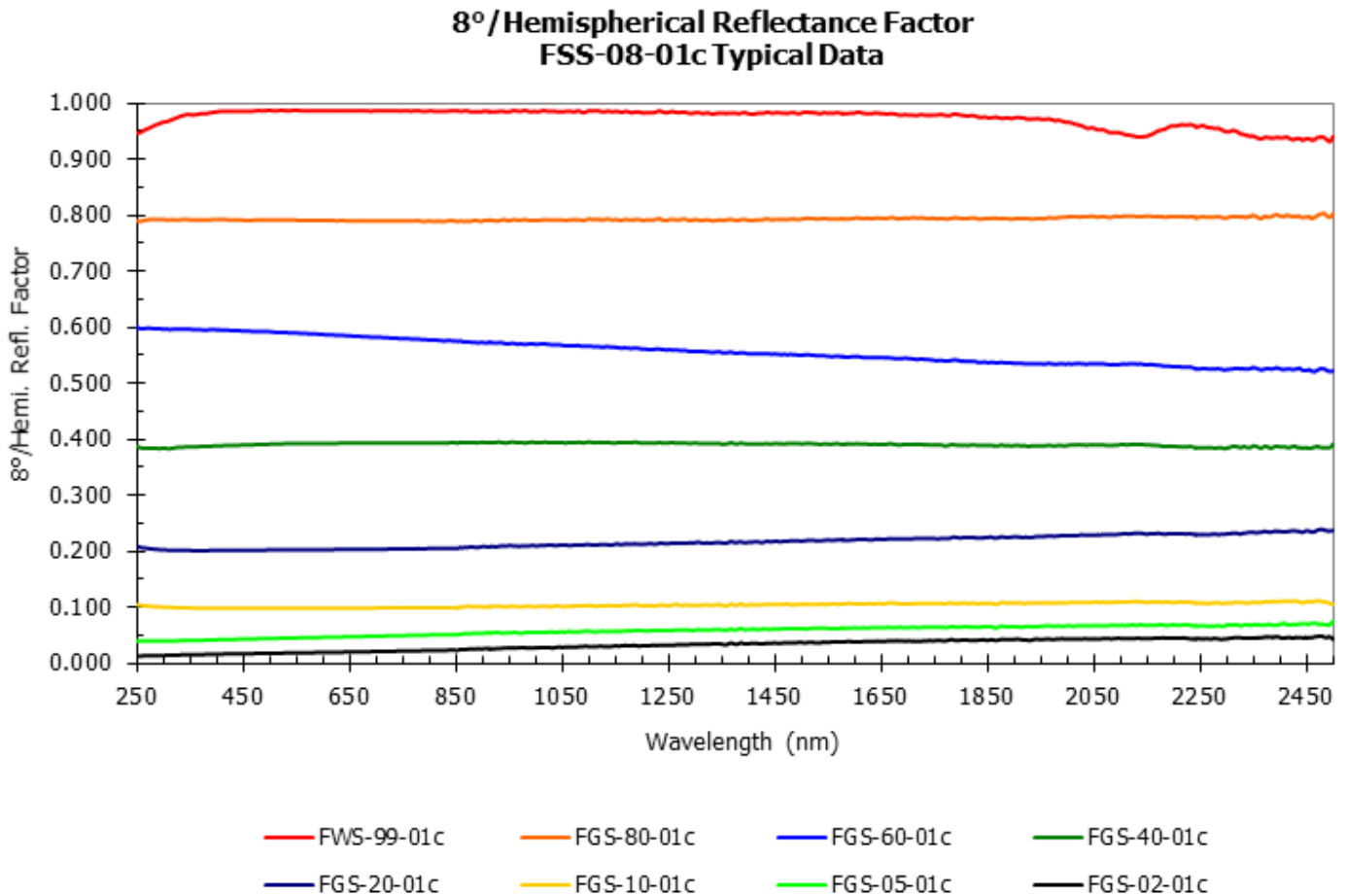
Options/Specifications

Nominal reflectances at 600 nm	2%, 5%, 10%, 20%, 40%, 60%, 80%, 99%*
Calibration	Calibrated or uncalibrated
Dimensions	Round: 1.25" or 2.00" diameter active optical area

Nominal reflectances at 600 nm 2%, 5%, 10%, 20%, 40%, 60%, 80%, 99%*

Sets Available in sets of 4 or 8 (presented in a waterproof plastic box), or individually

*Tolerance is +/- 1% at 600 nm for 2%, 5%, and 99% standards. All others have a tolerance of +/- 2%.



Ordering

- FGS-xx-01** *1.25" diameter Fluorilon Gray Scale Standard*
- FGS-xx-02** *2.00" diameter Fluorilon Gray Scale Standard*
- FSS-04-01** *Set of 4 1.25" diameter Gray Scale Reflectance Standards; 2%, 99%, plus two of your choice*
- FSS-04-02** *Set of 4 2.00" diameter Gray Scale Reflectance Standards; 2%, 99%, plus two of your choice*

- FSS-08-01** *Set of 8 1.25" diameter Gray Scale Reflectance Standards;
2%, 5%, 10%, 20%, 40%, 60%, 80%, 99%*
- FSS-08-02** *Set of 8 2.00" diameter Gray Scale Reflectance Standards;
2%, 5%, 10%, 20%, 40%, 60%, 80%, 99%*
- Custom** *Custom products are our specialty!
Contact us for more information.*



Avian Technologies

Solutions for Optical Spectroscopy Materials, Coatings, and Standards

News

NEWS

LC Instru Represents Avian Technologies

Avian Technologies is pleased to welcome our newest representative, **LC Instru**. If you are interested in purchasing Avian Technologies products in France, give them a call!

Visit our [international sales](#) page for more information on purchasing Avian Technologies' products if you are located outside the US.

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