

## Short-Pathlength Color Meters

### Eliminate user subjectivity

**NEW**



- Meters provide unbiased color measurements based on reference standards
- Large graphic LCD with user-friendly prompts in several languages
- Meet your requirements—extensive choice of standard color scales or customize from reference samples
- Easily removable sample chamber offering a range of sample cell sizes
- Data output meets GLP standards with date, time, sample, and user ID

Spectrophotometric color meters provide accurate, reliable color data from optically clear samples. The meter automatically measures color transmittance and displays results directly in industry color scales, CIE values, and as spectral data.

The short-pathlength meter is ideal for slightly colored solutions, like wastewater, syrups, honey, dark oils, and beers. Be sure of your readings with self-diagnostic check tests and calibrations using certified glass filter(s) included with meter (filters differ depending upon model). Transfer data easily via USB, LAN, and RS-232 interfaces. Remote calibration and maintenance service are also available via the Internet.

**What's included:** optical glass cells, data analysis software, calibration filter(s) with certificate, spare lamp, and 10- ft (3-m) power cable with US, UK, and EU plugs.

#### Specifications

**Pathlength:** 0.1 to 50 mm      **Bandwidth:** 10 nm      **Data logging:** 100,000 measurements      **Power:** 90 to 240 VAC  
**Spectral range:** 420 to 710 nm      **Light source:** tungsten halogen      **Output:** USB, LAN, RS-232

Applications	Color scales	Catalog number	Price
Liquid chemicals and oils	Pt-Co/Hazen/APHA, Gardner, Iodine, CIE, spectral data	<a href="#">GY-99562-02</a>	
Petroleum oils and fuels	Saybolt, ASTM, Pt-Co/Hazen/APHA, Iodine, CIE, spectral data	<a href="#">GY-99562-04</a>	
Dark oils and fats	FAC, Gardner, CIE, spectral data	<a href="#">GY-99562-06</a>	
Pharmaceutical solutions	European and US Pharmacopoeia, Pt-Co/Hazen/APHA, CIE, spectral data	<a href="#">GY-99562-08</a>	
Water and wastewater	ADMI, Pt-Co/Hazen/APHA, CIE, spectral data	<a href="#">GY-99562-15</a>	

[GY-99562-51](#) Optical glass cell, 1 x 10 mm

[GY-99562-53](#) Optical glass cell, 1 x 33 mm

[GY-99562-55](#) Optical glass cell, 1 x 50 mm

[GY-99562-57](#) Optical glass cell, 1 mm x 1 inch

## Portable Color Grading Systems

### Economical, visual color measurement anywhere

- Available with the most popular color scales
- Simply place sample in vial and compare transmittance to glass color standards

These durable, portable systems allow you to make quick visual comparisons between your sample and a range of stable colored glass standards on a disc. Battery-operated illuminator offers flexibility for laboratory, plant, or field color grading. With the two-section field of view, the sample transmittance is directly compared with individual colored glass standards on a test disc.

The comparator is ideal for light-colored samples with visual color (pathlength up to 40 mm); an illuminator is added to systems for measuring unsaturated samples requiring a longer pathlength.

**What's included:** discs containing colored glass filters, sample cells/tubes, calibration filter with certificate, and three AA batteries (for illuminator models).



#### Specifications

**Mode:** transmittance      **Light source:** tungsten halogen      **Illuminator power:** three AA batteries (included)

Description	Applications	Color scales (included)	Range	Cell type (included)	Catalog number	Price
AF334 comparator	Food and beverage; colored oils, fats and waxes	Gardner	1 to 18 units	10 mm	<a href="#">GY-99562-40</a>	
AF329 comparator with illuminator	Water and wastewater; edible oils and fats; petroleum oils and waxes	Pt-Co/Hazen/APHA	0 to 250 mg Pt/L	Nessler	<a href="#">GY-99562-42</a>	
AF328 comparator with illuminator		Pt-Co/Hazen/APHA, low level	0 to 70 mg Pt/L	Nessler	<a href="#">GY-99562-44</a>	
AF325 comparator with illuminator		Pt-Co/Hazen/APHA	10 to 250 mg Pt/L	Nessler	<a href="#">GY-99562-48</a>	
AF327 comparator with illuminator	Water and wastewater; chemicals; edible oils and fats; petroleum oils and waxes	Pt-Co/Hazen/APHA, ASTM D1209, low level	0 to 70 mg Pt/L	Nessler	<a href="#">GY-99562-46</a>	

[GY-99562-51](#) Replacement optical cell, 10 mm

[GY-99562-57](#) Replacement optical cell, Nessler

[GY-09376-01](#) Replacement batteries, AA. Pack of 4