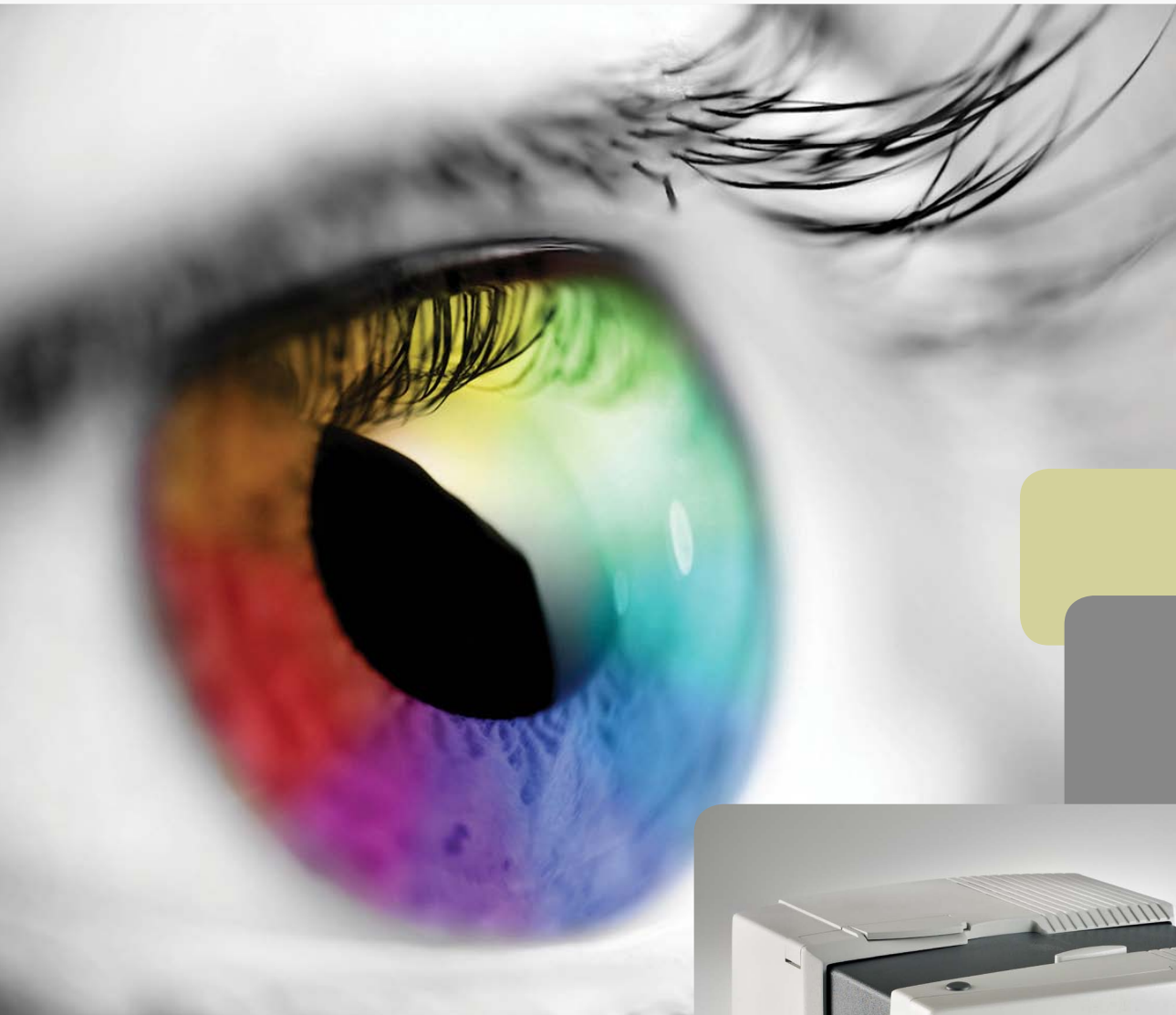




UltraScan[®] PRO



Measure Color
the way your
eye sees it





The UltraScan® PRO is the benchmark reference color measurement spectrophotometer against which all others are compared. It is ideal for demanding research and quality control applications. The UltraScan® PRO measures reflected and transmitted color, as well as spectral reflectance, spectral transmittance and transmission haze. It meets all CIE, ASTM and USP color measurement guidelines.

With exceptional inter-instrument agreement, precise spectral measurement and unsurpassed long term stability, UltraScan® PRO offers precise and reliable color measurement from opaque solids to clear liquids to transparent films.

DESIGNED FOR

LENSES

powders

PREFORMS

Oil

PELLETS

translucent solids
and liquids

detergents

resins
pigments

COATED GLASS

laminates

Carpet

draw downs

opaque
bottles

ADHESIVES

tiles

fibres

transmission
cells

FABRIC

panels & plaques
lip balm

Colorants

all dry chemicals

FILMS

plastic plaques

Paint Chips

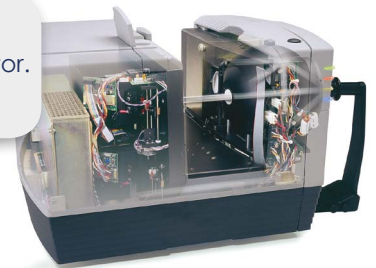
Metals

dyes

Solids

Exceptional Performance Built to Last

- Aircraft grade stainless fasteners.
- Solid 1/2" thick optical platform, eliminating flex factor.
- Robust electronic subassemblies.



Underneath its sleek exterior lives an electronic assembly, ruggedly built in excess of specification on a rigid optical platform, ensuring years of reliable, accurate service. The

flash Xenon light source generates virtually no heat, eliminates

the effect of ambient light, and requires no warm-up. Measurements over the entire spectral range are made in a matter of seconds. Spectral data is collected every 2 nm and reported for every 5 nm.

Versatile



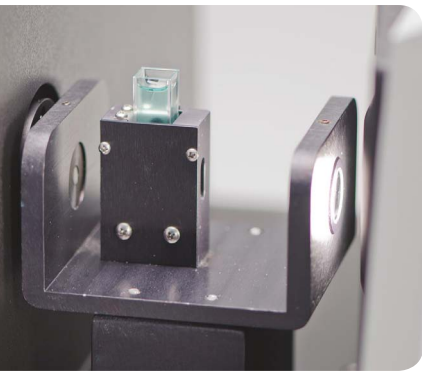
In addition to measurement versatility, the UltraScan® PRO has available sample measurement accessories designed to hold virtually any type of solid or liquid sample for accurate and repeatable measurements. Use UltraScan® PRO for both research and quality control.

The transmission compartment of UltraScan® PRO makes the measurement of over-sized samples easy and accommodates various sample handling devices.

It is capable of measuring liquid volumes as small as

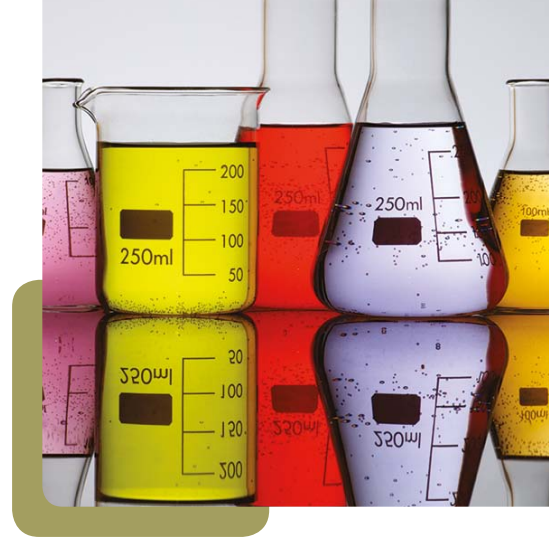
0.4 ml. The UltraScan® PRO has the ability to measure sample reflectance and transmittance as low as 350 nm, enabling the measurement of UV blocking characteristics of coated glass, sunglasses and other UV absorbers.

- Measures opaque, transparent, and translucent samples.
- 3 reflectance measurement area choices.
- Automated specular exclusion and inclusion, for measuring reflected color with or without the effect of gloss or texture.
- **Largest transmission compartment**
- **in the industry, open on three sides, and with a convenient one-touch read button**
- **for initiation of sample measurement.**



Accurate

The dual beam optical system has two state-of-the-art holographic grating polychromators with an effective bandwidth of 5 nm. The diffracted light is detected by a High IR sensitivity, 512 element linear array. Three long-life Xenon flash lamps mounted in a reflective lamp housing are used for illumination.

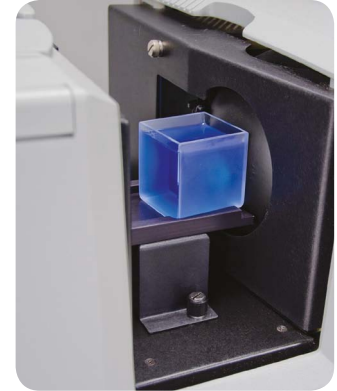


- Sphere geometry enables accurate transmittance measurements on scattering material and turbid solutions.
- Provided wavelength calibration check filter.
- 5 nm optical bandwidth.
- Port insert underside finished to complete sphere geometry.



Features

- Fast measurement speed - 2 seconds for full range measurement 350 – 1050 nm with 5 nm data output.
- D65 illumination source is calibrated in the ultraviolet region for accurate measurement of whitening agents, UV blockers, and fluorescent colors.
- 3 reflectance measurement areas:
 - Large Area View (LAV): 25 mm aperture
 - Small Area View (SAV): 13 mm aperture
 - X-Small Area View (XSAV): 7 mm aperture
- Read button for convenient initialization of sample measurement
- Ergonomic sample clamp for supporting a wide range of samples
- Status indicator lights visually indicate selected mode
- EasyMatch® QC Software included with instrument purchase

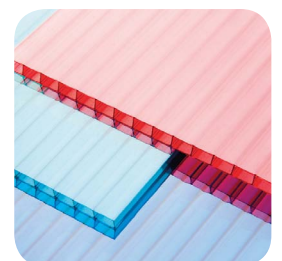
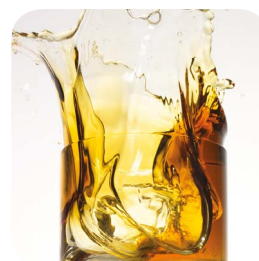


The HunterLab Advantage

The UltraScan® PRO is backed by over 60 years of quality innovation and experience from HunterLab, the world's most trusted color quality experts. With an unmatched reputation for delivering the right solution for any challenge, HunterLab tailors products and technologies for every color measurement need and budget offering the broadest range of color measurement solutions in the industry.

For more information go to www.hunterlab.eu

or contact your local HunterLab representative.



Accessories



L02-1012-202

Semi-Micro Cell Holder and Optical Assembly

Enables the use of 10 mm standard or semi-micro analytical cells in the transmission compartment for color measurement of small and semi-micro volumes of clear liquids. Glass or plastic cells are purchased separately by customer.



13-8573-20

Clear Glass Cells

Optically clear glass cell with fixed path length. Available with screw tops on special order.

B04-1003-801

50 mm (Volume: 100 ml)

04-4592-00

33 mm (Volume: 70 ml)

13-8573-40

13 mm (Volume: 40 ml)

10 mm (Volume: 20 ml)



C02-1005-481

Transmission Cell Holder

To use for placing transmission cells at the transmission port.



D02-1005-172

Transmission Spill Tray and Cell Holder

Permits transmittance measurement of liquids using rectangular transmission cell.



C02-1005-444

Transmission Clamp

Holds transparent film, glass or plastic in position for total or regular transmission measurement.

Accessories and sample handling fixtures available for every industry application.