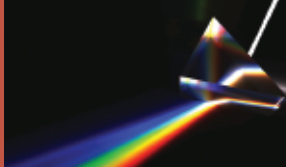


650™



Bench-Top

Spectrophotometer

The Datacolor 650™ is the ultimate flexible spectrophotometer, featuring unparalleled accuracy for both reflection and transmission—the perfect solution for plastics and dye manufacturers requiring the best results for color matching a wide variety of materials. Precise color matching and color quality control for dyes, plastics and other translucent materials.

Specifications

650™

Instrument Type	Dual-beam d/8° spectrophotometer
Illumination Source	Pulsed xenon filtered to approximate D65
Sphere Diameter	152 mm / 6.0 in
Specular Analyzer	Proprietary SP2000 analyzer with dual 256 diode array and high resolution holographic grating.
Transmittance	Yes
Wavelength Range	360 nm to 700 nm, reporting at 10 nm intervals
Photometric Range	0 to 200%
20 Read Repeatability	0.01 (max DE CIELAB)
Inter-instrument Agreement - Reflectance	0.15 (max DE CIELAB) 0.08 (avg DE CIELAB)
Inter-instrument Agreement - Regular Transmittance at 550 nm	±0.20% at 85% T ±0.10% at 32% T
Inter-instrument Agreement - Transmission Haze Measurements	±0.15% at 10% TH
Aperture plates for reflection measurements	4 standard (LAV, SAV, USAV, Barium-coated MAV) 2 optional (MAV, XUSAV)
Transmission Sampling Aperture Size	22 mm
Vertical Mount	Not Available



650™

- Haze measurements.
- Regular transmittance, total transmittance and diffuse transmittance measurements.
- Automated zoom lens and specular port.
- Automated UV control.
- Exceptional inter-instrument agreement.
- Multiple viewing apertures with automatic aperture recognition.
- Automatic gloss compensation.