

# The Judge® II and The Judge® II-S

## Make Accurate Color Decisions, Anywhere.

Whether you're making a presentation, designing or selecting product color, The Judge II is an invaluable tool for evaluating color quality and uniformity.

This compact visual color evaluation system combines exceptional versatility and quality in a construction that will meet your needs. It's available in a foldable, portable version, The Judge II, or as a stationary booth, The Judge II-S.

### Improve Color Rendering With Patented Technology

GretagMacbeth's seven-phosphor fluorescent daylight technology renders color more accurately. Typical three-phosphor fluorescent technology accents blues and greens while suppressing reds, resulting in less accurate color matches. The patented GretagMacbeth lamps provide the closest daylight simulation available today, delivering the highest Color Rendering Index (CRI) in the industry.

### Increase Color Approvals With Multiple, Switchable Light Sources

An important benefit of evaluating colors under multiple light sources is the ability to detect metamerism. This phenomenon occurs when colors appear to match

under one set of viewing conditions but fail to match under another.

By combining ultraviolet with the daylight source, The Judge II achieves the closest match to natural daylight available in a fluorescent source. Ultraviolet can be used by itself or in combination with any of the light sources for the detection or evaluation of optical brighteners, whitening agents or fluorescent dyes and pigments.

The many advanced features of The Judge II will help you make critical color decisions with greater ease and confidence.

### Conforms To International Standards

The Judge II conforms to or exceeds all major international standards for the visual evaluation of color. These include ASTM D1729 for visual evaluation of color differences of opaque materials, ISO 3664 for illumination conditions for viewing color reproductions, as well as



**Applications for The Judge II include textiles, plastics, printing, inks, dyes, paints and cosmetics.**

DIN, ANSI and BSI standards. Color communication errors are eliminated by providing a low gloss, neutral gray (Munsell N 7/) surround that is shielded from ambient light.



Daylight D65



Cool White Fluorescent



Illuminant "A" (Incandescent)



TL84

Many light sources are in use today, and, though all are perceived as white light by the human eye, some are energy-deficient at various wavelengths. As shown, these deficiencies affect our perception of color by graying some colors and intensifying others.

## Specifications

		The Judge II	The Judge II-S
Dimensions	Size (Assembled)	Height: 22.25" (56.5 cm) Width: 27" (68.6 cm) Depth: 22.25" (56.5 cm)	Height: 21.85" (55.5 cm) Width: 26.5" (67.3 cm) Depth: 20.5" (52.1 cm)
	Viewing Area	Height: 17" (43.2 cm) Width: 24" (61 cm) Depth: 19.75" (50.2 cm)	Height: 17.85" (45.3 cm) Width: 24" (61 cm) Depth: 19.30" (49 cm)
Weight	Weight/ Shipping Weight	35 lbs. (15.9 kg)/ 40 lbs. (18.1 kg)	50 lbs. (22.7 kg)/ 60 lbs. (27.2 kg)
Electrical Power Requirements	All Units	100 or 117 VAC/ 50-60 Hz	220 or 240 VAC/ 50-60 Hz
Sources	Daylight Options*	7500K, CIE D75 North Sky Daylight 6500K, CIE D65 Average North Sky Daylight 5000K, CIE D50 Noon Sky Daylight	
	Cool White Fluorescent	4150K, Typical Store/Office Lighting Wide Band Fluorescent	
	Custom Illuminant Options	Ultralume 30, Warm White, TL83, TL84, or TL85	
	Illuminant "A"	2856K, Typical Incandescent Home Lighting	
	Ultraviolet	Filtered Near UV	

\* The choice of a specific daylight source should be based on the standard governing your industry or application.

Specifications subject to change without notice.

**To learn more about The Judge II and The Judge II-S viewing booths, contact your nearest GretagMacbeth location.**



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