

GTI MiniMatcher Series

Color Viewing & Inspection Systems

Compact Multi-Source Viewing Systems

For The Inspection And Color Discrimination Of:

Inks, Paints, Plastics, Textiles, Paper, Colorants, and other colored materials...

Ideal for: Cosmetics, Coatings, Printing & Packaging, Advertising & Graphic Design, Interior & Fashion Design



MM-1e & MM-2e : Compact, Affordable & Effective

Three Standard Light Sources...

(ASTM D1729 Compliant)

1. Artificial Daylight (D65 or D50)
 2. Store Light (CWF or TL84)
 3. Home Light (Incandescent A)
- plus the option of Ultraviolet (UVA BLB)

MM-4e : Top of the Line

Five Standard Light Sources...

(ASTM D1729 Compliant)

1. Artificial Daylight (D65 or D50)
2. Store Light (CWF or TL84)
3. Home Light (Incandescent A or Horizon)
4. Your Choice** (D50, 30U, TL84, TL83)
5. Ultraviolet (UVA BLB)

Plus built-in Daylight lamp timer

The MM-4e provides five spectrally dissimilar sources of illumination for accurate visual color assessment and color comparison, duplication of your clients' lighting environment, as



Rocker Switches are easy to use and highly reliable. (MM-1e & MM-2e)



Push Button Control
"Instant ON" Light Source Selection
Automatic Source Sequencing
(MM-4e)

*metamerism
when color samples appear to match under one illumination condition but distinctly change when viewed under a different illumination condition.

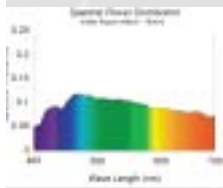


The MM-1e and MM-2e provide three spectrally dissimilar sources of illumination to assure accurate visual color assessment and color comparison as well as easy detection of metamerism*. Both models are simple to operate - using individual rocker switches for each source - and can be set up in minutes without tools. An optional elapsed time meter to monitor usage of the daylight source is also available.

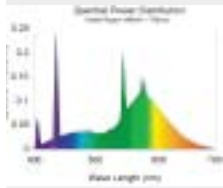
Well as easy detection of metamerism*. The MM-4e includes an illuminated push button control which confirms your selected source, and is easily programmable to provide one touch automatic light source sequencing (automatic sequencing provides a fixed viewing time period for each source for improved process consistency).
**Optional Source will be TL83 3000K unless otherwise specified

Standard Illuminants
The spectral power distribution of typical illuminants specified for visual color matching are shown below. Note the significant differences in shape which enhance detection of metamerism.

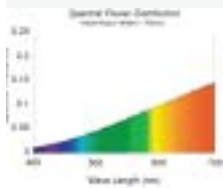
DAYLIGHT (CIE D65, 6500K)
Full Spectrum & Color Balanced for Critical Color Evaluation & Color Communication



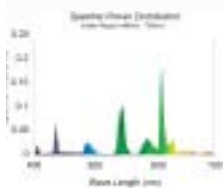
STORE LIGHT CWF (4100K)
Green / Yellow Bias, High Lumens/Watt, Energy Efficient



HOME LIGHT
Incandescent (CIE 'A', 2856K)
Red / Orange Bias, Tungsten Filament Source



OPTIONAL TL83 (3000K)
Green Bias, Triphosphor Narrow Band, Energy Efficient
Included with MM-4e; available as a substitute on MM-1e and 2e.)



UV used with or without visible sources. Allows detection of optical brighteners, whitening agents, and fluorescent dyes or pigments.

Physical Dimensions & Ordering Specifications

MM-2e : Viewing Area 13" x 18" x 10" (33 cm x 46 cm x 25 cm) Munsell N7/ neutral gray surround

Model	Light Sources
MM-2e/65	D65 Daylight, Cool White Fluorescent, Incandescent
MM-2e/50	D50 Daylight, Cool White Fluorescent, Incandescent
MM-2eUV/65	Same as MM-2e/65 plus independently controlled UV
MM-2eUV/50	Same as MM-2e/50 plus independently controlled UV

note: Add "T" to any of above models to add optional elapsed timer to system. Please specify voltage if other than 120 Volts

MM-1e : Viewing Area 14.25" x 24" x 13.25" (36 cm x 61 cm x 34 cm) Munsell N7/ neutral gray surround

Model	Light Sources
MM-1e/65	D65 Daylight, Cool White Fluorescent, Incandescent
MM-1e/50	D50 Daylight, Cool White Fluorescent, Incandescent
MM-1eUV/65	Same as MM-1e/65 plus independently controlled UV
MM-1eUV/50	Same as MM-1e/50 plus independently controlled UV

Note: Add "T" to any of above models to add optional elapsed timer to system. Please specify voltage if other than 120 Volts.

MM-4e : Viewing Area 14.25" x 24" x 16" (36 cm x 61 cm x 41 cm) Munsell N7/ neutral gray surround

Standard Light Sources	120 Volt Models	230 Volt Models
Daylight*:	Artificial Daylight (D65)	Artificial Daylight (D65)
Store Light:	Cool White Fluorescent	TL84 Fluorescent
Home Light:	Incandescent (Illuminant A)	Incandescent (Illuminant A)
Optional*:	TL83 3000K standard	TL83 3000K standard
Ultraviolet:	UVA (BLB)	UVA (BLB)

*Other fluorescent viewing sources can be substituted upon request.

Physical Dimensions & Ordering Specifications



VS-45
45° Viewing Stand
Munsell N7/ Gray



IP-1e / 2e / 4e
Matte Black Insert
Panel Set (includes
side walls, rear wall,
floor panels)



CC-12
Metal can comparator
holds & rotates cans
uniformly for easy
visual comparison

Models	Viewing Area (H x W x D)	Physical Dimensions (H x W x D)	Models	Shipping Weight
MM-1e	14.25" x 24" x 13.25"	19" x 26.5" x 16.5" (48 cm x 67 cm x 42 cm)	180 watts	30 lbs (14 kgs)
MM-2e	13" x 18" x 10"	18" x 20.5" x 13.25" (46 cm x 52 cm x 34 cm)	160 watts	22 lbs (10 kgs)
MM-4e	14.25" x 24" x 16"	19" x 26.5" x 19" (48 cm x 67 cm x 48 cm)	215 watts	38 lbs (17 kgs)