



GTI MiniMatcher® Series

Color Viewing & Inspection Systems



Model: MM-1e



Model: MM-1e



Model: MM-2e

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...

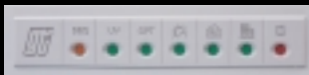
(ASTM D1729 Compliant)

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

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.



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.

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

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.



Model: MM-4e

*If your business depends on color correct products, you can depend on the
GTI MiniMatcher Color Viewing System!*

GTI Graphic Technology, Inc.

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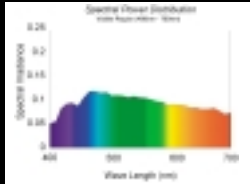
COLOR MATCHING SYSTEMS

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.

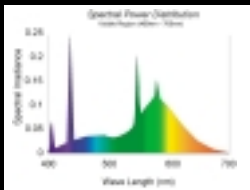
DAYLIGHT (CIE D65, 6500K)

Full Spectrum & Color Balanced For Critical Color Evaluation & Color Communication



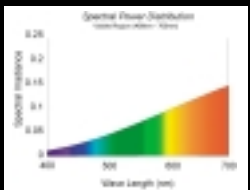
STORE LIGHT CWF (4100K)

Green / Yellow Bias, High Lumens/Watt, Energy Efficient



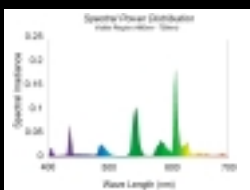
HOME LIGHT

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.*

MiniMatcher Accessories



VS-45
45° Viewing Stand
Munsell N7/ Gray



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



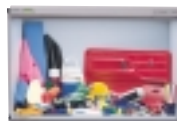
CC-12
Metal can comparator
holds & rotates cans
uniformly for easy
visual comparison.

| Model | Viewing Area (H x W x D) | Physical Dimensions (H x W x D) | Electrical | 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) |

Additional Color Matching Products



GLE-M Color Matching Overhead
Luminaire Systems



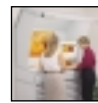
CMB Premier Color
Matching Systems

Additional Products from GTI

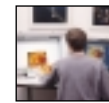
For Graphic Arts & Photographic color evaluation and communication, GTI offers the GraphiClite® family of products, including:



PDV
Professional
Desktop
Viewing Systems



CVX Large
Format
Viewing
Systems



Soft-View & TRV Enhanced
Desktop Viewing Systems

For over 25 years, GTI Graphic Technology, Inc. has been designing and manufacturing lighting systems for visual color appraisal and critical color communication. More recently, GTI has been the OEM manufacturer of critical color matching systems for several well-known quality control and color formulation system suppliers. GTI is also the leading provider of critical color viewing systems for graphic arts and photographic applications. All products are tested and certified by an in-house

radiometric laboratory to assure the accuracy and consistency that demanding color production requires.

The MiniMatcher series provides state-of-the-art technology, unparalleled viewer-to-viewer compatibility, and the most accurate match to industry standard aim-points on the market. If you are serious about your color quality, GTI is your best choice for color-critical lighting systems.