

TECHINCAL DETAILS

OF

spectraVISION™ (Normal)

1. INTRODUCTION

spectraVISION™ is an economic colourmatching model which provides a standardized and controlled environment for visual assessment of colors with strict adhering to international norms. The cabinet having five standard light sources.

- Artificial Daylight (D-65)
- Cool White Light (CWF)
- Tungsten Filament Light (Domestic Light Matching)
- Ultra Violet Black Light (Whites & Fluorescent Dyes)
- TL-84 Light -Triphosphor fluorescent Light (Point of Sale)

2. EQUIPMENT

Paramount *spectraVISION*™ is completely made of Teakwood, Ply Board & Sunmica. Natural grey mat colour sunmica used inside the cabinet strictly adheres to the international standards. The equipment is supplied with all standard tube lights & bulbs for accurate Color Matching. In order to safeguard the expensive & sensitive tube lights *spectraVISION*™ is fitted with Electronic/ballasts for Instant start & power saving. The unit is meticulously finished in an elegant grey, as per international standards.



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3. Details of the Main Unit of *spectraVISION*[™]



- 1) Microprocessor Based user friendly Control Panel.
- 2) Foot Rest of the unit.
- 3) 45 °Angle Viewing Stand with sample fixing magnets.
- 4) Viewing cavity.



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4. Details of the Accessories Supplied with *spectraVISION*™



Main Unit



Tube Lights – 06 Nos.



Bulbs – 04 Nos.



45° Angle Viewing Stand with 4 Sample Fixing Magnets



Dust Cover



Mains Lead with plug



This User's Manual



Calibration & Inspection Conformance Certificates

Unpack your *spectraVISION*™ and ensure that you have the Following units :

- | | | |
|------------------------|---|---------|
| 1. Main Unit | : | 01 No. |
| 2. Tube Lights | : | 05 Nos. |
| 3. Bulbs Philips Spain | : | 04 Nos. |



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| | | |
|--|---|---------|
| 4. 45° Angle Viewing Stand | : | 01 Nos. |
| 5. Dust Cover | : | 01 No. |
| 6. Sample Fixing Magnets | : | 04No. |
| 7. Mains Lead With Plug | : | 01 No. |
| 8. Detailed User's Manual | : | 01 No. |
| 10. Inspection & Conformance Certificate | : | 01 No. |
| 11. Calibration Certificate (Traceable to NPL) | : | 01 No. |

5. SALIENT FEATURES

- Economical colour matching cabinet as per international norms to access the colour matching of Yarns & dyed or printed fabrics or any material anyway coloured.
- The control panel is ergonomically designed for operator comforts.
- Hour meter is provided check the life of tube lights.
- This consists of six standard light sources, CWF, D 65, TL 84, TL 83, UVB and INCA
- Natural matt colour sunmica is used in side the cabinet that strictly adheres to the International standards.
- Supplied complete with 45° angle viewing table.
- Supplied with Inspection & calibration certificates.

6. TECHNICAL DETAILS OF *spectraVISION*™

A. DIMENSIONS

| | | |
|--|---|---|
| Main Supply | : | 230V, 50 Hz, AC Single Phase |
| Size of viewing board | : | (380 x 380) mm |
| Angle of Viewing board | : | 45° |
| Hour totaliser | : | 0 – 10,000 Hour, L/C : 1 Min. |
| Overall Dimensions of the Instrument | : | 710 ^{±10} (L) x 470 ^{±10} (W) x 575 ^{±10} (H) mm. 28" (L) x 18 ^{1/2} " (W) x 22 ^{3/4} " (H) Inch. |
| Overall Dimensions of the Viewing Cavity | : | 680±10 (L) x 460±10 (W) x 360±10 (H) mm 263/4" (L) x 18" (W) x 141/4" (H) Inch. |
| Net Weight of the Instrument | : | 25 Kg. (55 lbs) |



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B. LIGHT SOURCES

| | |
|--|------------------|
| Artificial Daylight Fluorescent Lamps (D-65) | : 02 Nos. (18 W) |
| Tungsten Filament Lamps (Inc A Lamps) | : 04 Nos. (40 W) |
| Cool White Fluorescent Lamp (CWF) | : 01 No. (18 W) |
| Triphosphor Fluorescent Lamp (TL-84) | : 01 No. (18 W) |
| Ultra-Violet Black Lamp | : 01 No. (18 W) |

C. COLOR TEMPERATURE

| | | |
|--------|-------|--------------|
| D-65 | LIGHT | 6500° K |
| CWF | LIGHT | 4100° K |
| TL-84 | LIGHT | 4000° K |
| T.F. | LIGHT | 2300-2800°K |
| U.V.B. | LIGHT | Ultra Violet |

7. RELATED STANDARD

ISO 3664,BS 950,DIN 6173,ASTM D 1729,and JIS Z 8723

NOTE : With our constant endeavour to improve & excel, we reserve the right to alter the specification or modify the appearance without notice.



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