

IMAGING SPECTRO-COLORIMETER

The Imaging Spectro-Colorimeter is developed and commercialized by DHT Corporation (Japan). It is designed based on the SPECIM's imaging spectrograph and it can measure the color with high sensitivity. The system can be used for the color analysis of printed materials of the printing machine, the color printer and the copy machine.



Figure 1. CMS050-V1 Imaging Spectro-Colorimeter, available from DHT Corporation, Japan.

- The color analysis can be done directly for the printed image without the color chart
- The color of the free position and area in the printed image can be measured and the little difference of two materials with the same printed image
- The system is best suitable for producing profile chart and for measuring color control data of the printing machine

Imaging Spectro-Colorimeter

SPECIFICATIONS	
Type	CMS050-V1
Spectral range	380-780 nm
Color measurement	By ImSpector imaging spectrograph
Analysis function	Color image processing by Spectrum-RGB transformation Spectrum designation of free position and free area Free spectrum image Color calculation (XYZ, RGB, L*a*b*, Lab, CMYK) Color difference for free two positions and free area
Scan time	0.1 second/line (1 spectrum image)
Measuring size	Maximum A4 size
Space resolution	0.01 mm
Spectral resolution	5 nm
Repeatability	E 0.05 (for standard white surface, 10 times averaging)
Size (WxDxH)	703 mm x 490 mm x 260 mm