

IMAGING SPECTRO-COLORIMETER (CMS050-V1)

The Imaging Spectro-Colorimeter is designed based on the imaging spectrograph method for the color analysis of printed materials of the printing machine, the color printer and the copy machine.

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.

This apparatus is best suitable for producing profile chart and for measuring color control data of the printing machine.

The measuring method is based on the imaging spectrograph and can measure the color with high sensitivity.



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

Table 1. The specifications of the Imaging Spectro-Colorimeter

Type	CMS050-V1
Spectral Range	380-780 nm
Color measurement	Imaging Spectrograph by ImSpector
Analysis function	<ul style="list-style-type: none"> • 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 (W×D×H)	703 mm × 490 mm × 260 mm