

The Scanning Digital Mini-Chrom (SDMC) includes an integral stepping motor which can be controlled by a calibrated drive such as the PCM-01 via a 15-pin connector. The SDMC is similar to the Digital Mini-Chrom in that it includes a four digit counter for wavelength readout and a dial for manual wavelength selection. For near infrared models (05 and 06), the four digit counter reading must be doubled, to 2 nm per division, for wavelength selection and readout. Dual photosensors that function as high and low limit switches are included for use in the scanning model. The Scanning Digital Mini-Chrom can be used for all applications that require the convenience of a built-in wavelength readout as well as applications requiring scanning to a selected wavelength or over a wavelength interval.



Catalog No.	Model	Wavelength Range
6-0501	SDMC1-01	190 nm - 650 nm
6-0502	SDMC1-02	200 nm - 800 nm
6-0503	SDMC1-03	300 nm - 800 nm
6-0504	SDMC1-04	500 nm - 1.2 μm
6-0505	SDMC1-05	750 nm - 1.7 μm
6-0506	SDMC1-05G	750 nm - 1.7 μm
6-0507	SDMC1-06	850 nm - 2.2 μm
6-0508	SDMC1-06G	850 nm - 2.2 μm

Models 05G and 06G utilize gold coated optics for superior reflectance in the NIR.

Specifications that apply only to a specific type of Mini-Chrom are listed following the description of each type.

f Number 3.9
 Focal Length 74 mm
 Grating 2 cm square
 Stray Light:
 Models with holographic gratings¹ $\leq 0.003\%$
 Models with ruled gratings² $\leq 0.02\%$
 Wavelength Accuracy (as a % of wavelength) $\pm 0.2\%$
 Wavelength Reproducibility $\pm 0.15\%$
 Wavelength Readability..... 0.2 nm
 Dimensions 197 X 59 X 49 mm
 Weight 0.9kg

¹ measured 10 nm from 632.8 nm (HeNe laser line).

² measured 20 nm from 1265.6 nm (second order HeNe laser line).

NOTE : Wavelength accuracy is given as a percentage of wavelength. This means that at 400 nm, the accuracy would be 400 nm $\pm 0.2\%$ or 400 nm ± 0.8 nm. At 800 nm, the accuracy in the same Mini-Chrom would be 800 nm $\pm 0.2\%$ or 800 nm ± 1.6 nm.