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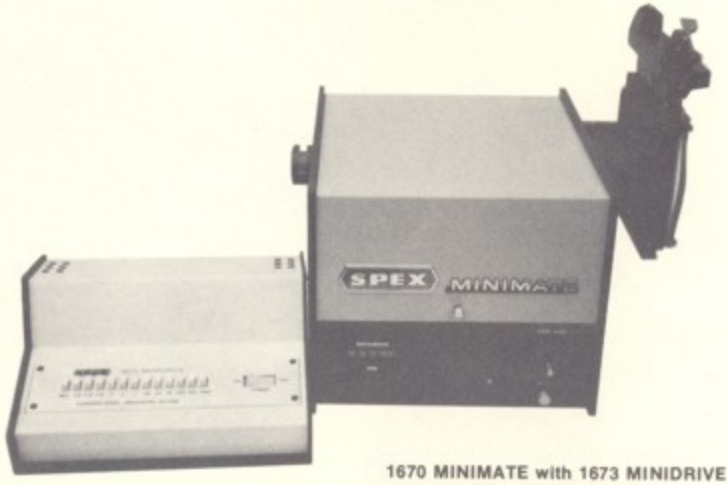
1670 MINIMATE

BUILDING-BLOCK UNIT FOR ASSEMBLING YOUR OWN

SPECTROFLUOROMETER
SPECTROPHOTOMETER
"IMAGINOMETER"

The MINIMATE is a compact monochromator for general-purpose laboratory applications where high-intensity, spectrally pure radiation may be sought, anywhere between 175 nm and 40μm. Easily mated to a larger monochromator as a predispersor, the MINIMATE minimizes light scattering and problems with overlapping orders. And the distance between the mirrors in the basic Czerny-Turner mount eradicates rediffracted light, optimizing spectral purity.

focal length	220 mm
aperture	f/4
spectral range	175-1000 nm
dispersion	4 nm/mm 1672S, 1670
	2 nm/mm 1672



1670 MINIMATE with 1673 MINIDRIVE stepper-motor control, and 1674 CAMERA ADAPTER holding 1628 POLAROID FILM BACK

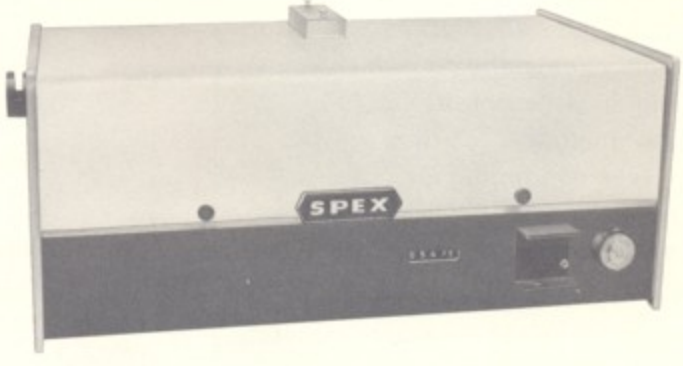
1672 DOUBLEMATE OR 1672S DOUBLEMATE

1672: for double-powered stray light reduction

1672S: for double-powered stray light reduction

Additive Dispersion

for maximum resolution or luminosity



Subtractive Dispersion

for homogenized spectrum

The Doublemate is a unitized version of the "tandemized" Minimate monochromator system. As such, it maintains the same fast optical speed and excellent scattered light characteristics while providing greater accuracy. Light dispersed in the first monochromator is again dispersed in the second, slashing 10^{-5} stray light to 10^{-10}. Good cause for double monochromators to have become commonplace wherever small signals are measured in the presence of large backgrounds.

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