

INSTRUMENTS SA H-20 MONOCHROMETER

SPECIFICATIONS

Focal length.....200mm

Aperture.....F/4.2

Grating.....40x45mm, type IV, aberration-corrected, concave holographic

Stray light..... 10^{-5} at 8nm from 6328-Å laser line with 0.25-mm slits. Less than 0.5% integrated stray light at 230 nm with 150-W xenon source and 270-nm cutoff filter.

Wavelength readout.....3-digit counter; each unit divided into fifths by tick marks.

Reproducibility.....+0.4nm

Dimensions.....340 X 160 x 86mm; 13.4 x 6.3 x 3.4i

Weight.....3.2kg; 7lb.

Warranty.....1 year, limited. See statement of warranty for details.

↓ Lt 20

Four versions	UV-V	V	V-IR	IR
Spectral range (optimum)	200-800nm (250nm)	300-850nm (450nm)	400-1600nm (750nm)	800-3200n (900nm)
Grating density	1200 grooves/mm	1200 grooves	600 grooves/mm	300 grooves/m
Linear dispersion	4nm/mm	4nm/mm	8nm/mm	16nm/mm
Bandpasses with standard slits (supplied)	2,4,8nm	2,4,8,nm	4,8,16nm	8,16,32nm
Wavelength accuracy	+ 1nm	+ 1nm	+ 2nm	+ 4nm

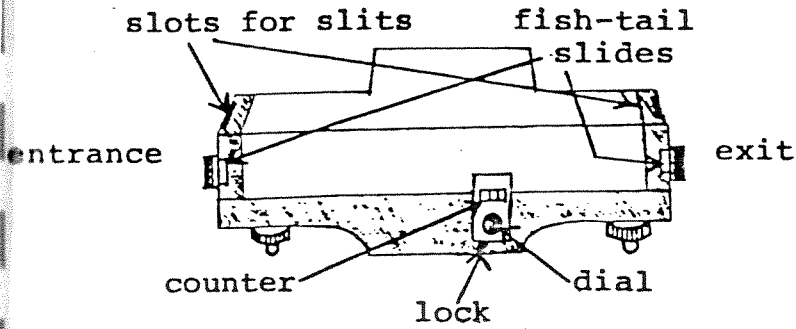
Scanning

Optional stepping motor system including motor and control module with 5 operating modes, 10 scanning speeds, and computer compatibility.

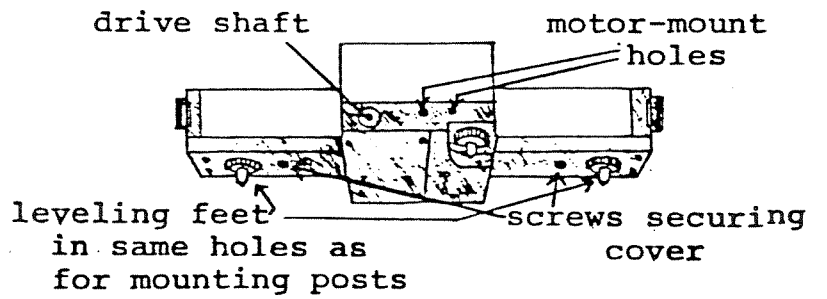
Definition Sketches

External

Front and Top



Rear and Bottom



Internal

