

# » Optical Choppers

SR-600

Distribution in the UK & Ireland



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A variable frequency radiation modulator, the SR-600 is a high performance chopper for many applications, including IR jammer simulation and low-level radiation detection. Designed to be robust and flexible, the SR-600 uses interchangeable blades for various chopping frequency ranges. You can operate the SR-600 as a stand-alone unit or mount it to other CI products, such as the SR-200 cavity blackbodies or the ILET90 collimator.

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## » FEATURES

- ▶ Certified to MIL-T-28800D and CE
- ▶ Closed loop control
- ▶ 1 to 20,000Hz chopping frequency
- ▶ TTL reference signal output
- ▶ Built-in test

## » SPECIFICATIONS

Frequency range	1 to 20,000 Hz (using interchangeable blades, option: 0.2-0.9Hz)
Frequency stability	±0.1% of reading (min. 0.5Hz)
Frequency readout accuracy	1-10,000Hz; ±0.2Hz 10-20KHz; ±0.5Hz
Display Resolution	1 Hz, digital
Chopper reference signal	Square wave, TTL compatible
Computer control	Ethernet, GPIB, RS232
Motor	Direct current with optical encoder
Type of control	Closed loop with optical encoder feedback
Power supply	230/115 VAC, 15 Watt, 50/60 Hz

Blade Model	Blade Frequency [range -Hz]	Maximum Usable Aperture Diameter[mm]
SC - slow chopper (+ C2 blade)	0.2 - 0.9, 1-250	25.4
C-2	1-250	25.4
C-8	10-1,000	22.2
C-16	10-2,000	9.5
C-40	10-5,000	3.2
C-100	10-10,000	1.6
C-160	100-20,000	0.8

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