

Optical Chopper

SR540 (Stanford Research Systems)

Optical Chopper....

Features:

- 4 Hz to 3.7 kHz chopping frequencies
- Low phase jitter
- Single and dual beam experiments
- Sum and difference reference outputs
- Two, anodized aluminum blades
- 4.04" blade diameter
- 4-digit LED display
- Bolt clamp or rod mounting



SPECIFICATIONS

Chop frequency	4 Hz to 400 Hz (5/6 slot blade) 400 Hz to 3.7 kHz (25/30 slot blade)
Frequency stability	250 ppm/C (typ)
Frequency drift	< 2%, 100 Hz < f < 3700 Hz
Phase jitter (rms)	0.2 deg (50 Hz to 400 Hz) 0.5 deg (400 Hz to 3.7 kHz)
Frequency display	4-digit, 1 Hz resolution, and accuracy
Frequency control	10 turn pot with 3 ranges 4 Hz to 40 Hz, 40 Hz to 400 Hz, 400 Hz to 3.7 kHz
Input control voltage	0-10 VDC for 0-100% full scale. Control voltage overrides
Reference modes	f_{inner} , f_{outer} , $5 \times f_{outer}$, $f_{inner} + f_{outer}$, $f_{outer} - f_{inner}$
Dimensions	Controller: 7.7"W x 1.8"H x 5.1"D Head: 2.8"W x 2.1"H x 1.0" D
Blade diameter	4.04" +/- 0.002"
Cable length	6 ft.
Power	12W, 100/120/220/240 VAC, 50/60Hz
Warranty	1 year on materials, and workmanship. 90 days on motor



Front View



Rear View



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