

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

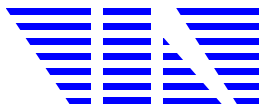
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|------------------------------|--|
| Chop frequency | 4 Hz to 400 Hz (5/6 slot blade) 400 Hz to 3.7 kHz (25/30 slot blade) |
| Frequency stability | 250 ppm/C (typ) |
| Frequency drift | < 2%, 100 Hz < f < 3700 Hz |
| Phase jitter (rms) | 0.2 deg (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



VIN KAROLA INSTRUMENTS

P.O. Box 922273
Norcross, GA 30010-2273
Tel: 770/409-1499
Fax: 770/447-8045
e-mail: info@vinkarola.com