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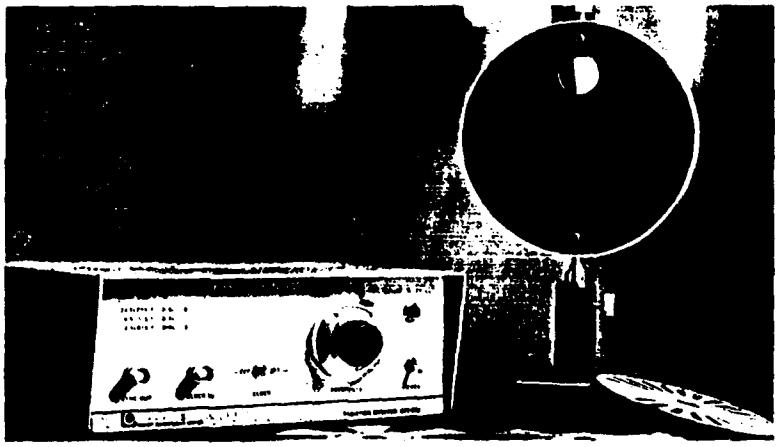
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Find the *LaserProbe CTX-534 HD* at our website: ***Click HERE***

CTX-534 VARIABLE SPEED OPTICAL CHOPPER



DESCRIPTION:

The CTX-534 is a compact high performance radiation chopping system designed for convenient optical bench mounting. It consists of a light weight, 4½ inch diameter chopper blade driven by an efficient DC motor and a separate phase-locked speed controller. A particularly convenient feature of the mechanical assembly is a unique guard design which allows the one inch clear aperture to be freely moved to any position around the chopper circumference. This provision is ideal for compact bench top arrangements. Three blade designs are available to cover the rated frequency range.

The high-gain speed controller is supplied with a four foot cable for connection to the chopper assembly. The sync signal is obtained from an optoelectronic pickoff in the chopper, and an auxiliary output pulse is provided at the chopping frequency for synchronization of subsequent electronics. The motor speed can be set by means of a precision ten turn potentiometer. In addition, provision is made for synchronization to an external clock. Motor speed varies from 150 to 10,000 RPM.

SPECIFICATIONS

Frequency Range	5 to 4000 Hertz
Long Term Stability	0.1%
Phase Jitter (Radians)	0.05N at min. speed; 0.01N above ¼ max. speed (N = number of slots)
Temperature Coefficient	.1% per degree C.
Sync Output	5 Volt TTL Compatible
Sync Input	3 to 5 Volts, 60 to 4000 Hertz, square wave
Required Power	115 volts, 30 watts
Mounting	¼-20 hole; Supplied with ½" diam. rod and stand

CHROME BLADE: 503, 504, 505; BLACK: 513, 514, 515

Designation	Number of Slots	Aperture Width	Freq. Range
CTD-503/513	2	1.0"	5-333Hz
CTD-504/514	6	0.9"	15-1000Hz
CTD-505/515	24	0.23"	60-4000Hz
CTD-500	Blank		
CTD-525	Calibrated 2% Duty Cycle Blade		

CTX-534 FEATURES

- —Optical Bench Mounting
- —Movable Aperture Position via Thumb Screw
- —Rapid Blade Interchange
- —Phase-Locked Speed Control
- —Auxiliary Sync Output
- —Aperture heights
  6" min to 12¼" max
  above Table with stand

Also available
Fixed Speed Choppers

CTX-515	15 Hz
-530	30 Hz
-532	32 Hz

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