

320C/CD

Dual Frequency Optical Chopper

FEATURES

- 8Hz-6kHz standard chopping frequency range (0.02Hz option is available)
- Compact chopper head
- Photochemically etched brass blades
- Variable aperture option (0% to 50% transmission)
- Low noise and vibration
- Dual frequency blades

DESCRIPTION

Scitec Instruments **Model 320C** and **Model 320CD** are high stability variable frequency optical choppers. They comprise a chopper control unit and chopping head, which is supplied complete with a set of four chemically blackened photoetched discs. These discs are all dual frequency discs with 4/7, 3/30, 8/60, and 53/60 slots and allow operation over the frequency range 8Hz to 6kHz.

A wide selection of blades offering different numbers of slots, slot configurations, and surface finishes are available to suit particular requirements. The blades are made of half-hard brass which is non-magnetic. The compact chopper head may be bench bolted or optical stalk (bench rod) mounted.

The chopping frequency is set using a ten turn dial mounted on the front panel of the control unit or by applying a voltage to the external control input. Two TTL reference outputs are produced: one at the chopping frequency of the outer set of slots and one at the chopping frequency of the inner set of slots.

The Model 320CD has a 5 digit LED display which gives a direct read-out of the chopping frequency.



