

# Optical Chopper

## DCS540 Optical Chopper System



### Features

- 0.01Hz resolution
- 20Hz~5KHz chopping frequency
- Standard TTL/COMS level input & output
- 2.4inch LCD display
- Single Photoelectric encoder operating knob

### Specifications

Frequency stability	250ppm/°C (typ.)
Frequency drift	<1%
Frequency resolution	0.01Hz
Operating	Single Photoelectric encoder
Operating temperature	10-40°C

### Display

Display	2.4 inch, 320*240 LCD
Frequency display	6-digit

### Input & Output

Input&output	BNC
Input&output compatibility	standard TTL/COMS level
Input voltage	0 ~ 5 V
Input high level	> 3.6 V
Input low level	< 0.4 V
Min load resistance	500 Ω

### Interface

RS232 to USB interfaces. All instrument functions can be controlled and read through USB interfaces

### General

- Power requirements
 

Voltage	220 VAC ± 10%
Frequency	50 Hz ± 0.2 Hz
Power	< 30 W

- Dimensions

Width	206 mm
Depth	150 mm
Height	70 mm

### Chopper Blade & Frequency

DCS540-01 ( 2 Slot)	1~99 Hz
DCS540-02 ( 10 Slot)	20~1 KHz, standard
DCS540-03 ( 15 Slot)	30~1.5 KHz, standard
DCS540-04 ( 30 Slot)	60~3 KHz, standard
DCS540-05 ( 60 Slot)	120~5 KHz
DCS540-06 (In 5 Out 7 Slot)	In:10~500 Hz Out:14~700Hz

