

## Ultrasonic Diffraction - Acoustic Optic Effect Apparatus

Ultrasonic diffraction apparatus (Model No: HO-ED-A-01) is used to study diffraction of light by ultrasonic waves.

- ✓ To find the velocity of ultrasonic wave in liquids
- ✓ To find the bulk modulus of the given liquid
- ✓ To find the compressibility of the liquid

### System Features :

- The apparatus consists of a graduated long rail and rail carriages appropriately fitted with laser head, an RF oscillator and a detector with translation stage.
- The ultrasonic diffraction setup uses laser as light source. As the laser beam is intense and monochromatic, we get clear higher order diffraction pattern.

