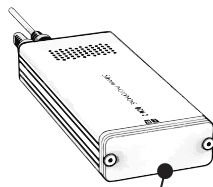


rare waves
Stereo OCM-2
PHOTOPHONE
OPTICAL AUDIO TRANSDUCER
MADE IN USA



Sensor Window
Emits infrared light
(Non-laser device)

! Do not direct at the eye
Do not stare into window



Fits in many
common
microphone
clips

Subject

| Subject Distance from Window (D) | Approx. Pickup Pattern Width (W) |
|----------------------------------|----------------------------------|
| 1.5" | 0.5" |
| 3 | 1 |
| 6 | 2 |
| 12 | 4 |
| 24 | 8 |

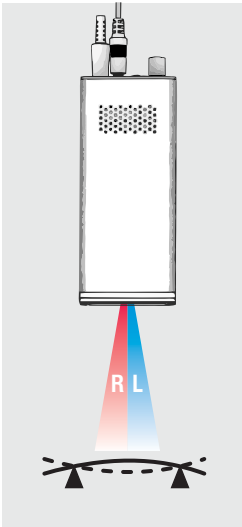
| Subject Distance from Window (D) | Approx. Pickup Pattern Width (W) |
|----------------------------------|----------------------------------|
| 3 cm | 1 cm |
| 6 | 2 |
| 12 | 4 |
| 24 | 8 |
| 48 | 16 |



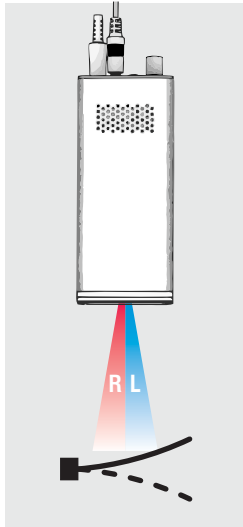
Illustration: Width of pickup pattern varies with distance

Application Note

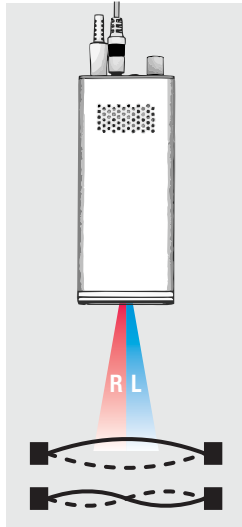
Vibrational modes of solid objects



Bar



Cantilever



String

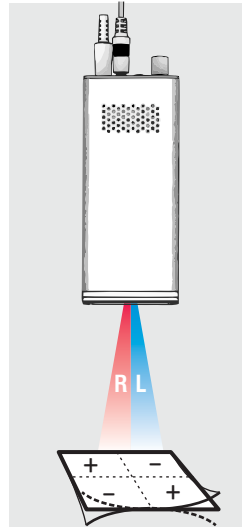
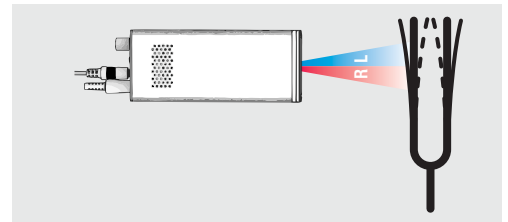
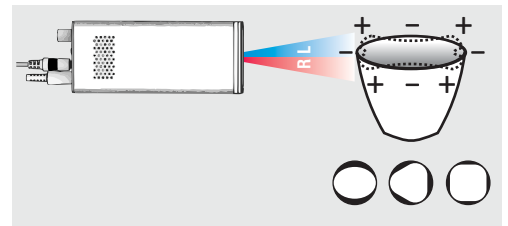


Plate & disc

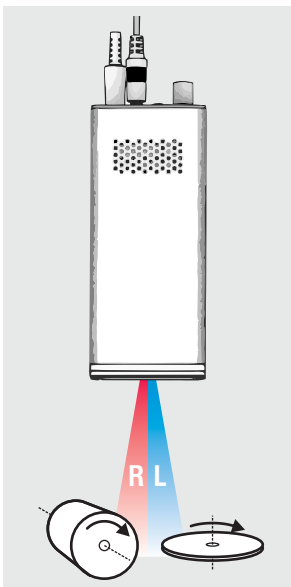


Tuning fork

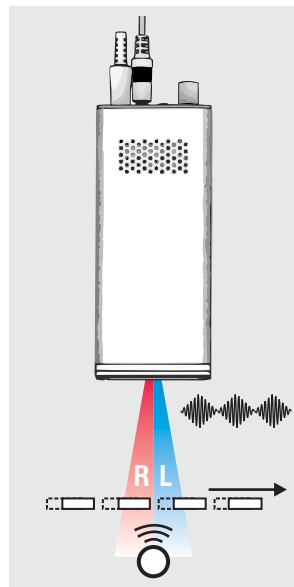


Bell modes

Optical effects

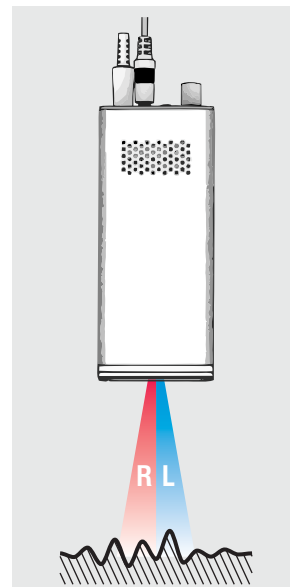


Rotating surfaces

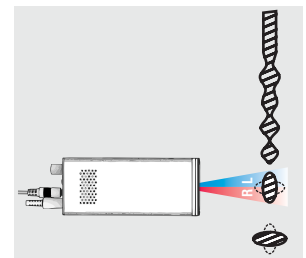


Occlusion modulation

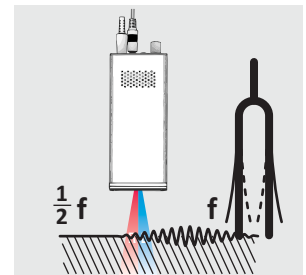
Fluid motion



Water ripples (Capillary waves)



Droplets & Jets



Driven oscillations Nonlinear effects