



OMEGA TYPE ES-424 Velocity Of Sound Using Kundt's Tube And Function Generator Experimental Set Up has been designed specifically basic idea behind this experiment is to generate sound waves of known frequency inside the Kundt's tube apparatus and find the locations of nodes. Distance between two consecutive nodes being $\lambda/2$ we can obtain wavelength this way and hence the velocity of sound. We can find the locations of nodes as we scan the length of the vibrating air column using a microphone. At locations of nodes, the sound picked up by the microphone would almost drop to zero. We can also visualize the variations of signal by simultaneously connecting the output of the microphone to the Y- channel of CRO.

Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT

1. Measuring the locations of nodes of standing waves produced inside Kundt's tube.

FEATURES

The Set up consists of :

- 01 Audio frequency Function Generator Signal Generator OMEGATYPE FG-319
02. Digital AC Millivolt meter 200mV OMEGATYPE DPM-044
03. Kundt's tube apparatus
- 04 Weight : 5Kg. (Approx.)
- 05 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedure, Report Suggestions and Book References.

OTHER APPARATUS REQUIRED:

- 01 CRO OMEGATYPE CRO-20

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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