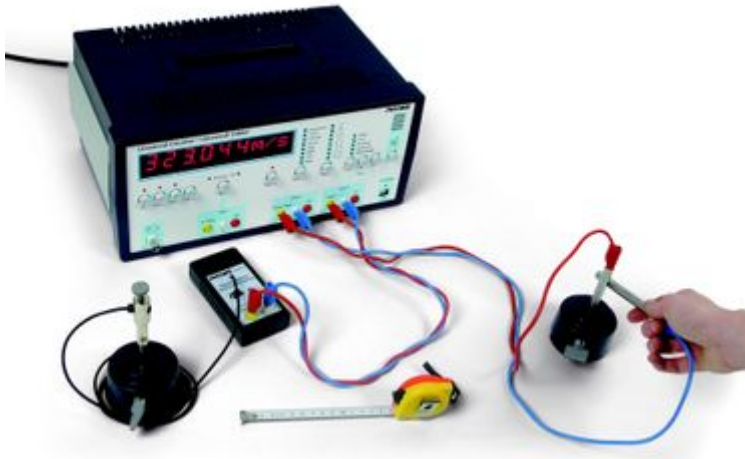


Velocity of sound in air with Universal Counter

Article no: P2150305



Principle

The velocity of sound in air is determined by measurement of sound travel times across known distances.

Benefits

- Perfect as demonstration and student experiment
- Easy setup and fast procedure
- Easy entry into the topic of error calculation possible

Tasks

Determine the sound velocity in air for different distances between sound source and microphone.

Learning objectives

- Wave propagation
- Longitudinal wave
- Air pressure variation
- Sound wave
- Impulse of sound

Scope of delivery

PHYWE Universal Counter	13601-99	1
PHYWE Measuring microphone with amplifier	03543-00	1
Battery 9 V	07405-00	1
Support rod with hole, stainless steel, 10 cm	02036-01	2
Support	09906-00	1
Barrel base expert	02004-00	2
Measuring tape, l = 2 m	09936-00	1
Connecting cord, 32 A, 500 mm, red	07361-01	2
Connecting cord, 32 A, 500 mm, blue	07361-04	2
Capacitor 1 microF/ 100V, G2	39113-01	1