

Velocity of sound in air with Cobra SMARTsense

Article no: P2153067



Principle

The velocity of sound in air is determined by measurements of sound travel times.

Benefits

- Simple set-up and procedure
- Easy entry into the topic of error calculation possible
- Simplified implementation: all pre-settings already prepared

Tasks

Determine the speed of sound in air.

Learning objectives

- Propagation of sound waves
- Velocity of sound
- Sound waves
- Sonic boom

Scope of delivery

Cobra SMARTsense - Sound (Bluetooth + USB) - Sensor for measuring the sound level and acoustic signal 55 ... 110 dBA / 100 ... 15000 Hz (Bluetooth + USB)	12939-00	2
USB charger for Cobra SMARTsense and Cobra4	07938-99	1
measureAPP - the free measurement software for all devices and operating systems	14581-61	1
Holder for Cobra SMARTsense	12960-00	2
Support rod, stainless steel, different lengths	02031-00	4
Barrel base expert	02004-00	3
Measuring tape, l = 2 m	09936-00	1