COACHLAB SOUND SENSOR

Description D056

Figure 1. The CoachLab Sound Sensor

Description

The CoachLab microphone is an omnidirectional, dynamic microphone with a On/Off switch.

The microphone is delivered with a stand, a 1.4m long cord with 3.5-mm plug and has a built-in facility for automatic sensor identification.

The sensor can be connected to CoachLab's interface analog input 3 or 4.

The name of the sound sensor the sensor library of Coach 5 program is **Microphone (056) CMA/CoachLab).**

Suggestion for experiments

Variety of activities with sound waves such as:

- Demonstration of wave patterns.
- Measurements of frequency and amplitude of sound (also for a tuning fork).
- Comparison of the waveforms of different instruments.
- Beat patterns.
- Measure the speed of sound.

Technical data

Type	Omnidirectional, dynamic
Impedance	200 Ω
Frequency response	100 Hz - 10 kHz