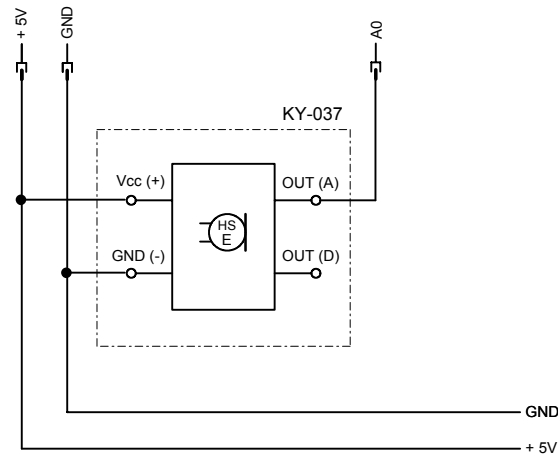
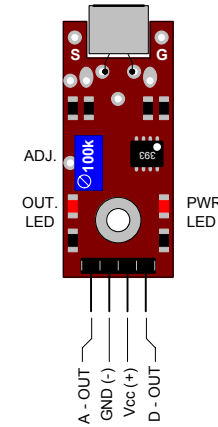


09G

ANALOG INPUT EXPERIMENT WITH HIGH SENSITIVE MICROPHONE MODULE KY-037



KY-037 HIGH SENSITIVE MICROPHONE MODULE



OPERATING VOLTAGE: 3.3 ... 5.5 VDC
 MAXIMUM OUTPUT CURRENT: 15 mA
 OUTPUT DO: DIGITAL (ON / OFF)
 OUTPUT AO: ANALOG

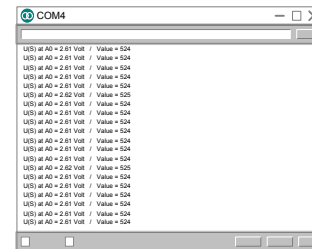
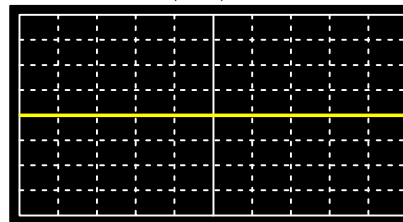
HIGH SENSITIVE MICROPHONE MODULE KY-037
 THE MODULE IS SENSITIVE TO THE ENVIRONMENT,
 GENERALLY TO BE USED TO DETECT THE INTENSITY
 OF THE AMBIENT SOUND.

SUPPLY VOLTAGE: 3.3 ... 5 VDC
 DIGITAL OUTPUT: SWITCHING LOW (0) & HIGH (1) LEVEL
 ANALOG OUTPUT: AC-SIGNAL
 SENSITIVITY: CAN BE ADJUSTED WITH ON BOARD POT.

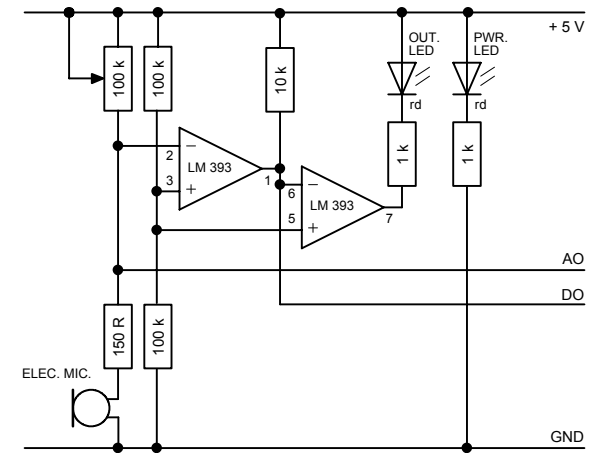
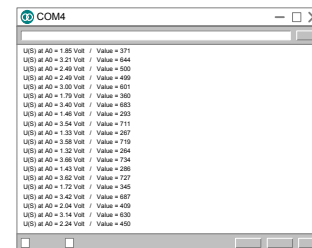
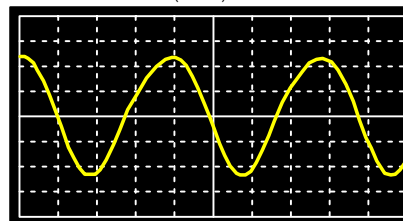
THE SENSOR MODULE CAN IDENTIFY THE PRESENCE OR
 ABSENCE OF SOUND, BUT IT CAN NOT RECOGNIZE THE
 VOLUME AND THE FREQUENCY OF SOUND.

USED KY-012 ACTIVE BUZZER MODULE FOR TEST.

A - OUT AC-SIGNAL (MUTE)



A - OUT AC-SIGNAL (LOUD)



FIGURES ARE APPROXIMATELY, DUE TO COMPONENT TOLERANCES!
 FOR FULLY COMPONENT SPECS. SEE MANUFACTURER DATASHEETS.
 BRANDS AND NAMES ARE MENTIONED PURELY FOR INFORMATION PURPOSES.

AR - 9	A4	udo@elgers.com	ue-ERT20240608-01	08-JUN-2024
129	A	MICRO-LAB 09 - ENVIRONMENT NOISE SENSOR		