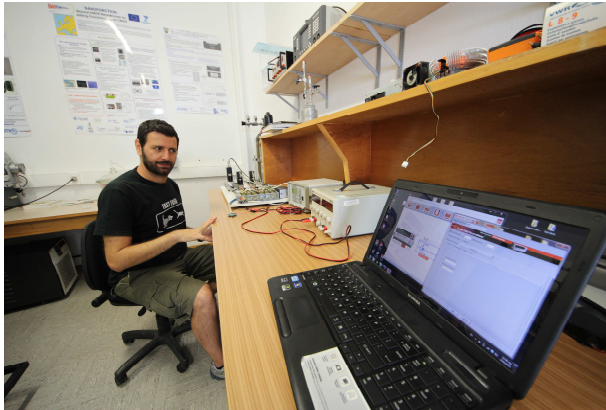


SENSOR CHARACTERIZATION LAB



INSTALLATION PLACE: Department of Microelectronics, NCSR “Demokritos”

DESCRIPTION: This lab comprises characterization, testing and calibration equipment for a variety of sensors, including flow sensors for gases and liquids, and thermoelectric generators. Corresponding systems include flow meters for respiration control, flow meters for the car engine etc.

SPECIFICATIONS

1. Mass flow controllers
 - a) Brooks 5853S (0-200SLPM N₂)
 - b) Brooks 5850E (0-10SLPM N₂)
 - c) Brooks 5850E/B1A11B4D (0-1SLPM N₂)
2. Mass flow readout and control electronics (Brooks 0154)
3. N₂ flow
4. Ar flow
5. Voltage source (up to 20V)
6. Multimeters
7. Resistive heaters

APPLICATIONS

1. Flow sensor calibration, characterization and testing
2. Thermoelectric generators calibration, characterization and testing
3. Flow meter measurements

CERTIFICATION/ACCREDITATION

The facility is not certified or accredited.

CONTACT PERSON

Dr. A.G. Nassiopoulou

E-mail: A.Nassiopoulou@imel.demokritos.gr

Telephone: +30-2106503411

Fax: +30-2106511723