



Yarmouk University

Hijjawi Faculty for
Engineering Technology

Instrumentation and Sensory Systems Development Lab

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Lab Overview

The Instrumentation and Sensory Systems Development research lab is dedicated to developing advanced sensory systems that leverage diverse sensing principles for a wide range of applications. Our work spans biomedical, environmental, and electrical domains, with a focus on creating innovative instrumentation that can accurately measure and monitor critical parameters. By exploring emerging sensing technologies, we aim to push the boundaries of what is possible in areas like medical diagnostics, environmental monitoring, and industrial process control. Our multidisciplinary team combines expertise in fields such as materials science, physics, chemistry, signal processing, and systems engineering to deliver practical, high-performance sensing solutions that address real-world challenges. Through continuous research and development, we are committed to advancing the state of the art in instrumentation and sensory systems.

Devices Available in the Lab

- Aoyue 738h+5 in 1 smd/smd Hot Air Rework and Soldering Station
- Hand Soldering Stand PCB Holder Clamp Helping Magnifying Magnifier
- Mini Magnet DC Motor Drive Hand Electric Drill Set with 50Hz/220v transformer package
- SOLDERING REWORK STATION RMVE-2QE
- Adam CQT 601 Precision Balance
- MICROSCOPE FOR SOLDERING SMD AND CIRCUIT TROUBLESHOOTING LEICA S9I
- AUTOCLAVE MODEL 2840 EL - D / FULLY AUTOMATIC LABORATORY AUTOCLAVE