



TAQNIYAT ALASHAA

by ALMURBAT Commercial Group



TAQNIYAT ALASHAA
تقنيات الأشعاع



TAQNIYAT ALASHAA

TAQNIYAT ALASHAA Established in UAE in Dubai as an Iraqi Company in 2019, Now TAQNIYAT ALASHAA is an ISO Certified commercial TAQNIYAT ALASHAA deems its mission in rebuilding and reviving the Infra structure through supplying, Installing, commissioning and operation of Hi-Tech Technologies and Systems. Customer Satisfaction and After Sales Services are Embedded values in our Policies, Procedures and Actions.

Scope of Supply and Services :

- Supply , Install and training laboratory radiation device (gamma, alpha and beta) and supply standard source
- Supply , Install and training for portable radiation (gamma, alpha,neutron and beta)
- Supply , Install and training for contamination and decontamination device (gamma, alpha and beta)
- Supplying of all sorts of Personal Protective Equipment , Service Tools and parts
- Supply , Install ,commission of NORM detectors , Radiation Detectors and NORM Handling technologies
- Supply , Install and training laboratory radiation device GAMMA SPECTROSCOPY EDUCATIONAL PRODUCTS

RADIATION LAB DEVICES



These devices are generally used in research laboratories, although smaller types used to be more widely supplied to schools and educational establishments in some countries.

The devices are used for the irradiation of samples of tissue, plant matter and other materials.

The source or sources are fully contained within the shielded chamber and it is not generally possible to remove them without dismantling the device.

This can be done only within a dedicated shielded facility with specialized equipment and trained personnel.

The devices are normally shipped, with the sources preloaded, from the manufacturer to the user in a special overpack. When the sources have depleted, they are returned to the manufacturer for service and source replacement, also in a special shipping overpack.

RADIATION LAB DETECTORS



An important part of knowing what type of detector to use is to have an idea of how and where it will be used. Different applications and settings call for different types of detectors, as each detector type has various ways it can be specialized to fit a role. The applications for radiation detection instruments can be broadly categorized into a few different core tasks: measurement, protection, and search.

Radiation measurement tasks are for situations where there is a known presence of radioactive materials which need to be monitored. The goal with this type of detection is awareness. Awareness of the strength of an established radioactive field, the boundaries of a radioactive area, or simply of the spread of radioactive contamination. These are settings where the presence of radiation is expected, or at least considered likely. The requirements for detectors involved in these settings are unique, often with relatively higher measurement ranges or with modifications needed to specifically look for one type of radiation.

Radiation protection is similar to radiation measurement applications in the sense that it is usually in a setting where radiation is expected to be found. However, the goals are different. With radiation measurement settings, the goal is to monitor the radioactivity itself, to be aware of fluctuations, boundaries, etc. With radiation protection, the goal is monitoring people.

PORTABLE RADIATION DEVICES



Portable radiation monitors, are used by police, security, and emergency response personnel to screen people for the presence of radioactive materials. The main application for these devices is monitoring large populations for contamination after a radiological or nuclear incident. They may also be used to screen people entering or leaving a sensitive area. To provide emergency responder and law enforcement organizations with information on Portable radiation monitors, the System Assessment and Validation for Emergency Responders.



Portable radiation monitors are detection systems that are designed to be easily assembled, disassembled, and transported to locations where they are used to screen individuals for the presence of radioactive materials. They are deemed to be "portable" if they can be disassembled into a case designed for ease of transport.

Portable radiation monitors detect gamma, alpha and beta radiation with plastic scintillation detectors.



PERSONAL RADIATION DEVICES

A small radiation monitoring devices worn by persons entering environments that may contain radiation. those who should wear a personal radiation device are Healthcare or laboratory workers in non-emergency environments that may contain radiation, Workers in emergency environments that may contain radiation and workers in industrial environments where radiation is used.

Flat badges are usually worn on the torso, at the collar or chest level, but can be worn on the belt, or forearm. First responders and first receivers wear water-resistant personal dosimeters on the outer layer of personal protective equipment (PPE).

Should be able to easily see and hear a dosimeter alarm while wearing PPE may wear a personal dosimeter underneath waterproof outerwear.



WE REPRESENT



MIRION
TECHNOLOGIES

Mirion is built on 60 years of experience, in research, problem-solving and product development. But the heart of our story begins in 1895, with physicist Wilhelm Röntgen's groundbreaking experiments.

After some discovery, he'd eventually detect mysterious rays that could penetrate physical barriers (and try out their utility, producing the very first "x-ray"... of his wife's hand).

That ghostly image was the birth of our modern understanding of ionizing radiation.

And while our knowledge and utility of radioactive materials is now light-years ahead of those first discoveries, we still approach our work much like Mr. Röntgen did through a lens of curiosity and rigor, with a spirit that compels us to question and constantly drive innovation in our field.



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