

UAE Dosimeter Market By Reading Method (Active, Passive), By Type (Electronic Personal Dosimeter, Thermo Luminescent Dosimeter, Optically Stimulated Luminescence Dosimeter, Film Badge Dosimeter), By End-User Industry (Healthcare, Oil & Gas, Mining, Nuclear Plants, Industrial, Manufacturing), By Region, Competition, Forecast & Opportunities, 2027

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Report description:

The UAE dosimeter market is expected to grow at a formidable rate during the forecast period, 2023-2027. The market growth can be attributed to the increasing usage of radioactive materials for industrial processes, medical research, diagnostic imaging, etc. Moreover, the rise in terrorism activities has led to an intensified demand for reliable equipment that offers protection from radioactive radiation, which is expected to drive the demand for the dosimeter market in UAE. As consumers are becoming more aware of the negative impact of radiation emitted from electronic devices such as smartphones, laptops, and computers, the demand for personal dosimeters is increasing. Moreover, ongoing technological advancements and the emergence of more advanced and portable dosimeters are expected to propel the growth of the UAE dosimeter market over the next five years. The Middle East's most developed and diverse market is found in the United Arab Emirates, which also has a thriving healthcare sector. The government has designated the healthcare sector as a priority area for UAE Vision 2040 and is investing significant resources and money into its growth. Cancer is one of the top causes of death in the UAE and carries a heavy burden there. In the medical field, dosimeters are frequently used to treat cancer patients by exposing them to radiation to kill cancer cells. Ionizing radiation is also increasingly used to diagnose and treat various medical diseases. The players in the healthcare industry are investing in the procurement of dosimeters to monitor the degree of radiation exposure, which is expected to boost market growth.

To promote worker safety, the government is emphasizing on workplace safety and encouraging the use of safety measures. Dosimeters are in high demand from sectors including hospitals and nuclear power plants where workers handle radioactive

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materials or hazardous waste. The UAE Labor Law has made it apparent how important employees are to the workplace and has given businesses precise instructions on adhering to all terms and conditions to safeguard the workers' health and safety at all working places. Additionally, the UAE Government's Protection from Hazards program shields workers against radiation exposure and encourages businesses to implement preventive measures such as utilizing dosimeters.

Market participants engaged in the production of dosimeters are spending money on R&D initiatives to bring better-performing dosimeters to market. To gain the largest market share, competitors are launching portable, cheaper, and robust dosimeters. To increase accuracy throughout the radiation level monitoring process, market participants are aiming to advance the current infrastructure by creating automated readers, alert badges, and electronic radiation measuring tools.

The UAE dosimeter market segmentation is based on the reading method, type, end-user industry, regional distribution, and competitive landscape. Based on the reading method, the market is divided into active and passive. The active dosimeters are anticipated to hold the largest share in the market during the forecast period, owing to the high demand from the medical and life sciences sector.

Market players operating in the UAE dosimeter market are Bertin Instruments, Dosilab, Dosimetrics GmbH, Ecotest, Gammadata Instrument Ab, GE Healthcare, Honeywell, Iba Worldwide, Landauer, Mirion Technologies, Ortek, Polimaster, Radiation Detection Company, Ptw Freiburg GmbH, Thermo Fisher Scientific Inc, among others.

Years considered for this report:

Historical Years: 2017-2020

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2023-2027

Objective of the Study:

- To analyze the historical growth in the market size of the UAE dosimeter market from 2017 to 2021.
- To estimate and forecast the market size of UAE dosimeter market from 2022 to 2027 and growth rate until 2027.
- To classify and forecast the UAE dosimeter market based on reading method, type, end user industry, region, and company.
- To identify the dominant region or segment in the UAE dosimeter market.
- To identify drivers and challenges for the UAE dosimeter market.
- To examine competitive developments such as expansions, new product launches, mergers & acquisitions, etc., in the UAE dosimeter market.
- To identify and analyze the profiles of leading players operating in the UAE dosimeter market.
- To identify key sustainable strategies adopted by market players in UAE dosimeter market.

TechSci Research performed both primary as well as exhaustive secondary research for this study. Initially, TechSci Research sourced a list of manufacturers across the country. Subsequently, TechSci Research conducted primary research surveys with the identified companies. While interviewing, the respondents were also enquired about their competitors. Through this technique, TechSci Research could include the manufacturers who could not be identified due to the limitations of secondary research. TechSci Research analyzed the manufacturers, distribution channels and presence of all major players across the country. TechSci Research calculated the market size of the UAE dosimeter market using a top-down approach, wherein data for various end-user segments was recorded and forecast for the future years. TechSci Research sourced these values from the industry experts and company representatives and externally validated through analyzing historical data of these products and applications for getting an appropriate, overall market size. Various secondary sources such as company websites, news articles, press releases, company annual reports, investor presentations and financial reports were also studied by TechSci Research.

Key Target Audience:

- Market research and consulting firms
- Government bodies such as regulating authorities and policy makers
- Organizations, forums, and alliances

The study is useful in providing answers to several critical questions that are important for the industry stakeholders such as product manufacturers, suppliers and partners, end users, etc., besides allowing them in strategizing investments and capitalizing on market opportunities.

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Report Scope:

In this report, UAE Dosimeter Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

-□ UAE Dosimeter Market, By Reading Method:

o□ Active

o□ Passive

-□ UAE Dosimeter Market, By Type:

o□ Electronic Personal Dosimeter

o□ Thermo Luminescent Dosimeter

o□ Optically Stimulated Luminescence Dosimeter

o□ Film Badge Dosimeter

-□ UAE Dosimeter Market, By End-User Industry:

o□ Healthcare

o□ Oil & Gas

o□ Mining

o□ Nuclear Plants

o□ Industrial

o□ Manufacturing

-□ UAE Dosimeter Market, By Region:

o□ Dubai

o□ Abu Dhabi

o□ Sharjah

o□ Rest of UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in UAE Dosimeter Market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

-□ Detailed analysis and profiling of additional market players (up to five).

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