



Industrial Radiation Measurements

RaySafe 452 Survey Meter

The RaySafe 452 Survey Meter is used for measuring ionizing radiation (alpha, beta, gamma, and X-ray), and it is compliant with IEC 60846-1.

It has high sensitivity combined with a wide and flat energy response enabling measurements in a broad range of applications.

The durable design, and extensive temperature range, in combination with the IP64 classification (dust-proof and water resistant), makes the

RaySafe 452 suitable for both indoor and outdoor usage. It can even be wiped with a wet cloth or washed under rinsing water.

The RaySafe 452 does not require any corrections or manual settings, just turn on the instrument and in seconds you are ready to measure.

One device for every situation means less to carry, learn and handle, which equals less expense, more efficiency and time savings.

RaySafe 452 measures radiation in a variety of applications

X-ray Used for Non-Destructive Testing (NDT)



Checking Material and Components

X-ray is frequently used to detect defects in material and assemblies for instance during casting. Inspection of components is applicable for a wide range of industries e.g. automotive, plastics, aerospace, and electronics.



Constructions

X-ray is used to detect cracks and other material or welding issues in various constructions including pipes, vessels, bridges and buildings.

RaySafe 452 measures radiation in a variety of applications (continued)

X-ray Scanning



Image source: Eagle. Eagle's X-ray and fat analysis systems inspect meat products.

Airport Security Control

X-ray is used to detect prohibited carry-on items, e.g. liquids, guns and sharp objects.

Truck Scanning/Border Control

Drive-through X-ray scanning systems are used at seaports, traffic control points, customs and border control for inspection of transported goods in cars, buses, and loaded vehicles (containers or sea cargo).

Food & Pharma Industry

X-ray is used to scan in-process or finished product for contamination and final quality control, including fat content analysis.

Measurements Using Radioactive Sources



Contamination and Leakage Measurements



Nuclear Gauges

Nuclear gauges are used to measure density, level/thickness, and moisture content, for liquids or solid material, in a number of industries such as oil & gas, metals and mining, and construction.

First Responders

Emergency response people are likely to be first to arrive on the scene in case of an accident. Radiation detection equipment should be used to identify if there is radiation present above normal background levels.

Nuclear Industry

Environmental radiation measurements are carried out for instance within and nearby nuclear power plants, to ensure no raised levels are detected indicating contamination or a leakage.

RaySafe

We empower our everyday heroes to focus only on protecting lives.

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