Model 910 Handheld Radiation Scanner

Radiation Scanner

USB port
α β γ ray switch selection
Automatic data storage
Real-time data transmission to computer

Description

Radiation scanner Model 910 is an upgraded version of the original Model 900. In 2011 Coliy Technology GmbH redesigned the Radiation scanner Model 910 to make it easier to operate with a much higher reliability, Its buttons are simplified into 8, which makes the interface more user-friendly, its internal circuitry has been optimized to be more reliable; and its memory has been expanded to stock more data.

The Radiation scanner Model 910 was designed to help recognize the potential risk of terrorist attack after 9.11 Incident. With its powerful functions it can be used under severe adverse conditions. Due to its resistances to high impact and low temperature it offers reliable and precise measurement data. The main structure of the Radiation scanner 910 is small, light with a strong shell to protect it. It can detect α β γ and X-rays as described and adopted by the nuclear radiation sensor standards laid down by the American Bureau of Standards. Range of measurement is from $0.01\,\mu Sv/h$ to $1000\,\mu Sv/h$. It is a small sized radiation sensor with the best performance characteristics in the current market.

Radiation Scanner *(vertical text, left margin)*

Applications

Radiation scanner Model 910 can be used widely in the fields of pharmaceutical factory, laboratory, power plants, quarries, emergency rescue stations, metal treatment plants, underground oil fields, and oil pipeline equipment, environmental protection, police station etc. It is used for:
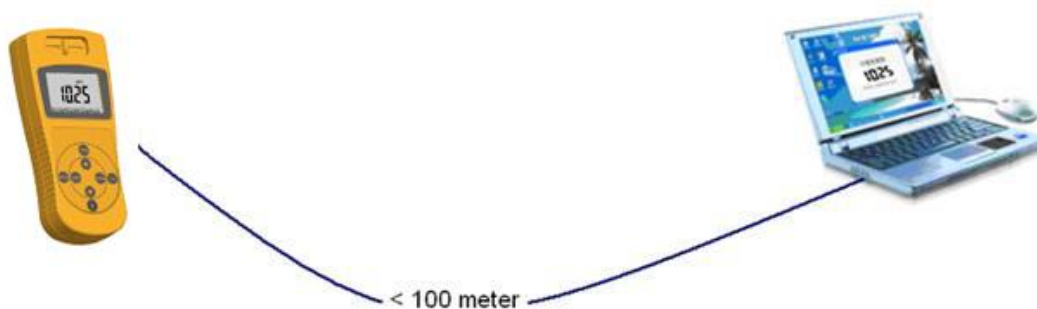
- Inspecting underground water radium pollution
- Inspecting radioactivity of underground drilling pipes and equipment
- Inspecting radon radiation and cesium pollution of surrounding environment
- Inspecting radioactivity of architecture materials such as stone etc
- Inspecting radioactivity of porcelain tableware and glass etc
- Inspecting local radiation leakage and nuclear radiation pollution
- Inspecting the danger of nuclear radiation in landfill and garbage dump
- Inspecting harmful radiation of personal precious property and jewelry
- Inspecting X-ray intensity of Medical and industrial X-ray instrument from

Product Features

- Ergonomically designed with a comfortable hand feel
- Large LCD with bar graph display
- Types of measured Ray: α β γ and x-ray
- Ray selection switch
- Display units complete: cps, cpm, Sv/h, rem/h
- Accumulates the radiation measurement data
- Calibration every five years
- Design is compact and anti-impact, easy to carry
- History data can be uploaded to PC
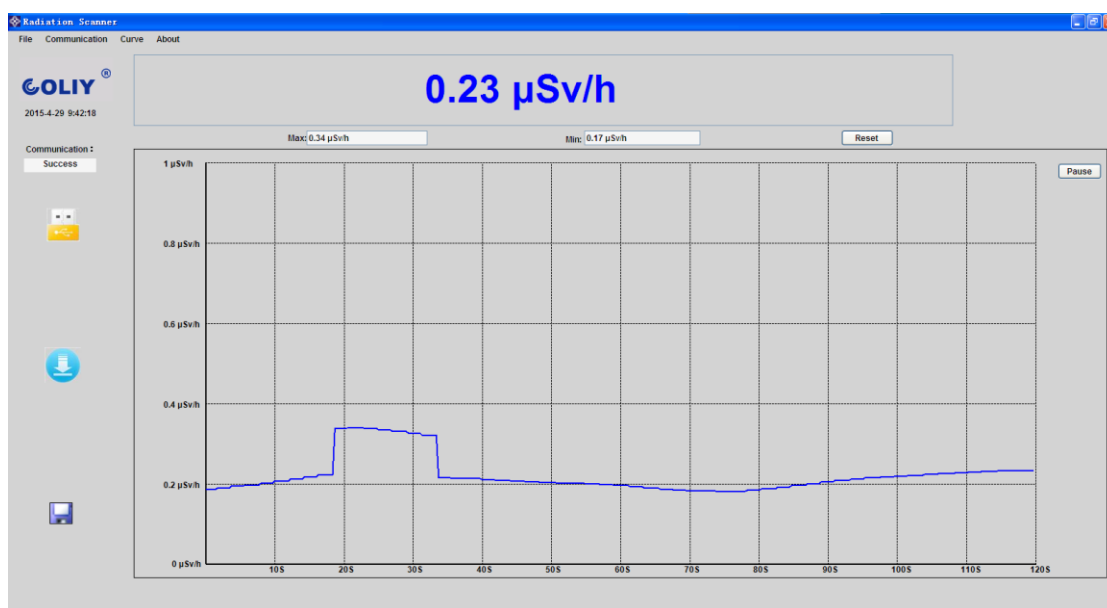- Patent in tracking algorithm realized high stability and fast response

Specifications

Types of measured Ray	α β γ and X ray
Range	Radiation dose rate: 0.01 μSv/h-1000 μSv/h Impulse dose rate: 0-30.000cpm,0-5.000cps Radiation dose accumulation: 0.001 μSv-999999Sv Impulse dose accumulation: 0-999999
Sensitivity	1 μSv/h≥2cps (Cs137)
Energy response	50keV-3MeV
Ray selection switch	α+ β +γ (without shielding) β +γ (foil shielding approx. 0.2 mm) γ (aluminum shielding approx. 3 mm)
Sensor	GM tube
Background value stability	±0.02 μSv/h (8 hours)
Output port	USB Port (with special USB extend cable option, which can extend to 100M)
Anti saturation	Exceed the maximum reading of up to 100 times
Display	Large LCD, with bar graph display
Calibration	Calibration factor adjustable
Alarm function	Audible and visual alarm, alarm value setting fully adjustable, default: 5μSv/h
Precision	±15%
Storage	Manually or automatically
Software	Transmit data in real-time to computer for displaying, analyzing and recording
Influence of the electromagnetic wave	Negligible
10 times geomagnetic field influence	None
Working temperature	-20℃ to 60℃
Storage temperature	-30℃ to 70℃
Atmospheric pressure	75kPa-110kPa
Weight	250g
Dimension	L170mm, W74mm, H30mm
Battery power	3 AAA battery, Continuous operation for up to 30 days
Quality certifications	European CE, US FCC15
Warranty	1 year

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Data is transmitted in real-time to computer for display and analyzing.

Software

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Contents in this file for reference only. The actual specification of the product is subject to the client's contract.
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