

RADIATION SCANNER / METER

The radiation detector DT-9501 was developed to detect α -, β -, γ - and x- radiation. The radiation meter DT-9501 provides many features including a large, high-resolution Backlit LCD backlit display with annunciators. The radiation detector DT-9501 has an internal data storage for up to 2000 data sets, which are saved either manually or automatically. Furthermore the radiation detector DT-9501 is equipped with a Bluetooth interface to transfer the measured data in real-time to a computer. With the software, that is included with the product, the data can then be further processed and reviewed. The radiation detector DT-9501 stands out with its high accuracy and practical design. The radiation detector can be applied in the pharmaceutical industry, laboratories, power plants, quarries, the emergency services, metal industries, petroleum reservoirs, environmental protection etc.

Features
α -, β -, γ - and x- radiation
High measuring accuracy
Internal data storage for 2000 values
Large LCD display
Bluetooth interface
Software for data processing
Low Power Consumption
Data Evaluation on PC



CE EMC
EN: 61326

Bluetooth

• DT-9501

SPECIFICATIONS (Check the CEM web for detailed specifications)

Types of radiation
α -, β -, γ - and x- radiation
Measurement ranges
Radiation dose rate: 0.1 1000 μ Sv/h
Impulse dose rate: 0 ... 30,000 cpm, 0 ... 5000 cps
Radiation dose accumulation: 0.001 μ Sv.. 9.999 Sv
Impulse dose accumulation: 0 ... 9,999
Sensitivity
108 pulses or 1000 cpm/mR/hr in Cobalt-60 in radiant environment with electricity of 1 μ Sv/h
Alpha radiation: above 4 MeV
Beta radiation: above 0.2 MeV
X-radiation: above 0.02 MeV
Accuracy
< 10 % (less than 500 μ Sv/h)
< 20 % (less than 600 μ Sv/h)
Selective Radiation
Combination of α -, β -, γ - and x- radiation
Sensor
Halogen balancing sensor
Output Port
Bluetooth
Average Process Time
Manual or automatic, adjustable, between 2 ... 12 seconds
Display
Digital LCD display, with bargraph display
Alarm Function
Acoustic alarm for manually selected value
Average radiation value for normal environment
Less than 0 ... 0.2 μ Sv/h
Internal data storage
Automatic, 2000 values
Software
Data transfer with real-time speed, 2000 measurement values and recording
Operation temperature
0 ... +50°C
Power Supply
3.6 V High Level energy Li-batteries
Dimensions
200 x 70 x 45 mm
Weight
206 g

Included Accessories

- Instruction Manual • Software • Carrying Case • Test Report