

# MINITRACE<sub>γ</sub>

Portable survey meter



- Simple & intuitive use
- Fast response time (1 sec.)
- Large storage capacity
- High degree of autonomy (up to 2,000h)
- Available in radio version



# MINITRACE GAMMA

Survey meter for X & Gamma radiation monitoring dedicated to the protection of workers exposed to ionizing radiations

Performing **X & Gamma radiation measurements**, the MiniTRACE  $\gamma$  is a **survey meter** dedicated to the assessment & management of the radiological risks ran by people working in controlled areas, such as nuclear power plants, reprocessing facilities, training & treatment centers, nuclear medicine departments, etc.

As a **user-friendly device**, the MiniTRACE  $\gamma$  has an **ergonomic design** making its handling easier for all users, whether specialized in radiation protection or not.

Due to its **fast response time of 1 second**, the MiniTRACE  $\gamma$  survey meter measures instantaneously the ambient dose equivalent rate  $H^*(10)$ , being thus essential to guarantee the protection of workers exposed to ionizing radiations, as recommended by the ALARA principle (As Low As Reasonably Achievable). While offering a **high level of autonomy** (approximately 2,000h), the MiniTRACE  $\gamma$  is also equipped with a **built-in memory** able to save up to 650 measured values of instant & accumulated radiation doses.

The MiniTRACE  $\gamma$  is **available in 2 versions – S10S & S100S** – each with its own energy & measurement range.

## Applications

Radiological monitoring of nuclear facilities



Radiation protection in nuclear medicine



Radiological monitoring of industrial sites



Emergency management



**Available accessories:**

Communication kit (DataVIEW/PRO & infrared transmitter), transparent plastic cover, belt case, wall support, transport case (Pelicase®)

## Health physics devices

Discover other products of Bertin Instruments

**MINITRACE**  
CSDF



Versatile multipurpose contamination and survey meter

## Secured, wireless data transmission



Both MiniTRACE  $\gamma$  S10S & S100S are available in **radio version (S10R & S100R)**, to be integrated into a ShortLINK or Sky-LINK communication network or into an Environmental Radiation Monitoring System with a maximum range of 20 kilometers.



## Technical Features

### TYPE OF RADIATION

Gamma & X

### MEASUREMENT RANGE

**S10S/S10R:** 0,5  $\mu$ Sv/h – 10 mSv/h  
50  $\mu$ R/h to 1 R/h

**S100S/S100R:** 1  $\mu$ Sv/h – 100 mSv/h  
100  $\mu$ R/h to 10 R/h

### ENERGY RANGE

**S10S/S10R:** from 42 keV to 2,8 MeV

**S100S/S100R:** from 42 keV to 3 MeV

### OPERATIONAL TEMPERATURE

Between -20°C & +50°C (-4°F & 122°F)

### DATA STORAGE

Up to 650 instant & accumulated dose rate values

### ALARMS

Audible & visual alarms, with 4 configurable thresholds

### AUTONOMY

Up to 2,000 hours

### PROTECTION RATING

IP44 / IP67 with a protecting case

### STANDARDS

IEC 60846-1, IEC 61000 & IEC 60068-2-27