SAPHYMO GmbH

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New!

Gamma Dose Rate Meter

miniTRACEy

- Dose function (Version S10S and S100S)
- Fast response time (1 sec.)
- Max. integration time 60 sec.
- Alarm thresholds
- Long battery lifetime : 2000 h
- Robust housing
- Infrared Interface
- Excellent value for money
- PTB tested version
- Also available as radio version

>>> Selected by Electricité de France ! <<<

Type/functions	Data storage	Radio	GPS
MiniTRACE S10	-	-	-
MiniTRACE S10S	•	-	Optional
MiniTRACE S10R	•	•	Optional
MiniTRACE S100	-	-	-
MiniTRACE S100S	•	-	Optional
MiniTRACE S100R	•	•	Optional

MiniTRACE γ
- Gamma dose rate meter

Features

- Fast response time (1 sec.)
- Integration time adapted to change of measured value
- Additional "mean value mode"
- Long battery lifetime (2000 hours)
- 6-digit illuminated display
- Four settings of alarm threshold; visual and audible alarm output
- Infrared interface
- Audible pulse output

Applications

- Radiation control areas such as nuclear power plants or reprocessing plants
- Research centers
- Hospitals
- Police, fire department and military operations

It can also be used to:

- Determine the gamma background during radon measurement

MiniTRACE γ is a dose rate meter specially designed to improve the safety of workers in the control areas of nuclear power plants, reprocessing plants, research centers and hospitals. It can likewise offer strong safety benefits to public bodies like the police, fire brigades or the military. Its robustness and especially simple use make it easy to measure the gamma dose rate (ambient dose equivalent rate (H*(10)) or exposure rate). Electricité de France selected MiniTRACE γ for the measurements in their NPPs. Instruments are tested by PTB*.

Four alarm thresholds are pre-programmed. These thresholds can also be changed by user via IR communication (optional, incl. IR-Transceiver). Calculation of mean value can be started by using the button "mode".

MiniTRACE γ is supplied with two batteries for a long battery lifetime (2000 hours at $\leq$ 0.1 mSv/h (10 mR/h). Its 6-digit illuminated display shows the dose rate value with a fixed decimal point. There is an additional 5-digit alpha-numeric display showing alarm and instrument quality features.

Properties	**S10**	**S100***
Display unit:	µSv/h, H*(10)	mSv/h, H*(10)
Measurement range	10 nSv/h bis 10 mSv/h	10 µSv/h bis 100 mSv/h
Energy range:	48 keV to 2 MeV ± 40 % > 2 MeV to 3 MeV ± 60 %	48 keV to 2 MeV ± 40 %, > 2 MeV to 3 MeV ± 60 %
Sensitivity:	5500 counts per uSv	2500 counts per uSv
Alarm thresholds (pre-set)	0.2, 0.5, 1 and 2 mSv/h	2, 5, 10 and 20 mSv/h
Buttons:	1: (ON/OFF, IR, light); 2: (Mean)	1: (ON/OFF, IR, light); 2: (-)
Detector:	Energy-compensated Geiger-Mueller (for gamma and X-rays)	
Energy supply:	2 batteries (Type: LR6, AA, MN 1500)	
Operational temperature range:	-20°C to +50°C (-4°F to 122°F)	
Direction dependency:	From 0 to 180° (Cs-137) ± 25 %	
Mechanical Shock	According to IEC 60 standard	
Weight; dimensions:	175 g incl. batteries; 82 mm X 24 mm x 139 mm	
Protection class	IP 44, with protective covering IP 67	

Please send: information

☐ **MiniTRACE γ** ☐ **MiniTRACE γ -RADIO-** ☐ **MiniTRACE β** ***Customer Response***

Please send detailed information about other sophisticated products:

☐ for photon dosimetry ☐ for neutron dosimetry

☐ for environmental gamma monitoring ☐ for radon monitoring

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