

# Contamination Meter

## MINI TRACE $\beta$



- Fast response time (1 sec.)
- Free settable alarm thresholds
- Long battery lifetime: 2000 h
- Display unit CPS, optionally Bq (related to Co-60)
- Infrared interface
- Excellent price-performance ratio



## Contamination meter for alpha, beta and gamma

### Features

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

### Applications

- Radiation control areas f. ex. in nuclear power plants or reprocessing plants
- Research centers
- Hospitals
- Police, fire brigades, army
- Schools, universities, educational purposes
- Industrial X-ray applications
- Building- or raw materials, scrap, minerals
- Search for depleted uranium

**MiniTRACE  $\beta$**  is a contamination meter 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 simple use makes it easy to detect possible spots of contamination in the controlling areas fast and easy. Electricité de France selected MiniTRACE  $\beta$  for the measurements in their NPPs.

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". Free programmable count-up timer (C10).

**MiniTRACE  $\beta$**  is supplied with two batteries for a long battery lifetime (2000 hours at  $\leq 100$  Bq). Its 6-digit display shows the activity value with a fixed decimal point. There is an additional 5-digit alphanumeric display showing alarm and instrument quality features.

Properties	B30	C10
Display unit:	Bq (related to Co-60), resolution 1 Bq	Counts per second (cps)
Display range Co-60:	0 - 30 kBq	0.0 – 9990.0 cps; (mean value mode: 0.00 – 9990.00 cps)
Sensitivity:	0,15 cps/Bq (Co-60)	
Buttons:	1: (ON/OFF, IR); 2: (-)	1: (ON/OFF, IR); 2: (Mean), count-up timer
Detector:	Geiger-Mueller pancake, active counter tube area: 15,55 cm <sup>2</sup> , active diameter: 44,5 mm, max. diameter: 53,6 mm, window: 2,0 mg/cm <sup>2</sup> , HV range 500 V	
Display:	6-digit LCD display, plus 5-digit alpha numeric display for alarm- and status messages	
Detection limit:	13 Bq Co-60 after 5 sec. measuring time, 9 Bq Co-60 after 10 sec. 4 Bq Co-60 after 60 sec.	
Grid:	0,8 mm stainless steel, 80 % transparency, easily demountable	
Energy supply / autonomy:	2 Mignon batteries (Type: LR6, AA, MN 1500)	
Operational temperature range:	-20°C to +40°C (-4°F to 104°F), lower temperature range on request	
Alarm:	Audible and visual, 4 thresholds	
Weight and dimension:	315 g incl. batteries; 82 mm x 24 mm x 139 mm	
EMI protection	According to norm IEC 60325	

Please send: information  **MiniTRACE  $\beta$**   **MiniTRACE  $\gamma$**   **Customer Response**  
 for photon dosimetry  for neutron dosimetry  
 for environmental gamma monitoring  for radon monitoring

Instit. / Comp.: \_\_\_\_\_

Department: \_\_\_\_\_ Title / Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_



Saphymo GmbH