

# ECHO



## **Contamination Survey Meter** *for the measurements in harsh gamma environment*

- Measures the beta contamination in high and fluctuating gamma environment
- Displays the limits of detection
- Adapted to industrial environment (for both fixed or mobile station)
- Includes distance and speed sensors
- Data registration (USB)

## Technical characteristics



### Detection characteristics

Type: Plastic scintillator  
Entry window: metallized PET  
Typical  $\beta$  yield: 0,23 c/s/Bq ( $^{60}\text{Co}$ )  
Effective measurement range: 0,1 to 1000 Bq/cm<sup>2</sup>  
Distance control from: 0 to 100 mm  
Speed control from: 0 to 200 mm/s



### Alarm characteristics

Alarms : Sound, visual, vibration  
Thresholds : 2 configurable thresholds



### Electrical characteristics

External power supply : DC voltage (12 Vdc - 18 W)  
Battery life : > 30 h (in measurement)  
> 130 h (standby)



### Mechanical and Environmental characteristics

Operating temperature : 10°C à 35°C  
Dimensions : 320 x 130 x 88 mm  
Weight : 1,4 kg



### Connectivity

Network connectivity : RS-485 - ModBus RTU



### Regulatory Compliance

NF EN 60325

## Application & Use

Measure and detect beta contamination in harsh gamma environment  
Well adapted for operators working in areas with high dose equivalent rates  
Several working modes allowing direct and indirect measurements

## Options

- Indirect measurements aid (for wiped surfaces)
- Stand

