

# SABRE SAFETY LTD DATA SHEET



## 900 Series Type EP15 Contamination Monitor

- A large logarithmically scaled meter with an open scale at the lower end to show background levels of contamination while displaying high levels without switching
- A speaker to give an audible estimate of radiation intensity
- An alarm which can be set to trip any level on the scale
- Battery or mains operation using a separate power unit. Included is an internal constant current charger for rechargeable batteries
- Lightweight aluminium case
- A comprehensive manual containing tables and curves of response to different radiations and other useful information
- The monitor conforms to the requirements of the International Technical Commission publication 325

### Type EP15

Similar to the type E but using a large end window halogen quenched G-M tube. It is approximately twice as sensitive as the type E but has a lower scale limit and is recommended for measuring the lower contamination limits of soft beta emitters. The window is protected by a stainless steel grille and removable plastic cap.

Window area	15.5cm <sup>2</sup>
Window thickness	1.5-2.0mg cm <sup>-2</sup> mica
Beta sensitivity	1.3 counts s <sup>-1</sup> for 1Bq cm <sup>-2</sup> <sup>14</sup> C 4.0 counts s <sup>-1</sup> for 1Bq cm <sup>-2</sup> <sup>90</sup> Sr/ <sup>90</sup> Y
Alpha sensitivity	0.9 counts s <sup>-1</sup> for 1Bq cm <sup>-2</sup> <sup>238</sup> Pu
Gamma sensitivity	5.0 counts s <sup>-1</sup> for 1uSv h <sup>-1</sup> (0.1mR/h) <sup>137</sup> Cs