

# CV28 REN / REDN

## $\alpha$ and $\beta\gamma$ mobile monitor

- **CV28 REN** is a mobile  $\alpha$ ,  $\beta$  and  $\gamma$  monitor mounted on a mobile carriage, allowing easy moving and including:

- ✓ A visual and audible signalisation measurement box
- ✓ A battery with built-in charger
- ✓ A large surface detection probe
- ✓ A gas saver
- ✓ A gas bottle (not included)

It allows the  $\alpha$  ou  $\beta$  contamination control in tracking mode and measurements by pushbutton

### ➤ Technical characteristics

- **Detector :**

- ✓ Probe: utile detection surface: 175 x 100 mm
- ✓ Output  $\alpha$  ( $2\pi$ ) –  $^{239}\text{Pu}$ : 50%
- ✓ Detection surface of the probe: 175 cm<sup>2</sup>

- **Detection limits according to ISO 7503 :**

- ✓  $\alpha$ :  $^{239}\text{Pu}$  : 0.02 Bq/cm<sup>2</sup>
- ✓  $\beta$ :  $^{36}\text{Cl}$  <0.2 Bq/cm<sup>2</sup> in an environment of 0.1  $\mu\text{Sv/h}$  ( $\leq 0.4$  Bq/cm<sup>2</sup> for  $^{60}\text{Co}$ ), probe surface: 175 cm<sup>2</sup>

- **Dimensions :**

- ✓ Chariot : 1180 x 600 x 500 mm (h (with measurement box) x l x p (with handle))
- ✓ Gas bottle : Receiver for B5 type gas bottle with fixation
- ✓ Battery : Battery and built-in gas saver
- ✓ Weight : 30 kg with gas bottle

- **Constraints :**

- ✓ Gas supply: Ar-CH<sub>4</sub> (90%-10%)  $\approx$  0.5 l/h or Ar- CO<sub>2</sub> (90%-10%)  $\approx$  0.5 l/h, temperature: +5°C to +45°C, relative humidity max: 95% without condensation
- ✓ Power supply: Autonomy of 8 hours, 230V – 50Hz incorporated charger

- **\_Alternative:**

- ✓ CV28 RED: mobile unit with remote signalisation, 10m cable and an as an option a reversed sampler



- CTHIR homologation
- $\alpha$  and  $\beta\gamma$  contamination measurement
- $\beta\gamma$  environment monitoring
- Automatic or manual  $\beta\gamma$  contamination threshold
- $\beta\gamma$  environment compensation
- Autonomy provided by rechargeable battery
- Gas bottle receiver
- Gas saver
- User mode: "tracking" and "precision"