

CS28 N / CST28 N

α , β and γ large surface floor contamination monitor

- CS28 N / CST28 N are specially design to control the possible contamination of large surface floors (halls, parking, factories...)
The α , β and γ pulses are discriminated and simultaneously monitored and the displayed in two different channels.

Technical characteristics

- Mechanics :**
 - ✓ **CS28:** decontaminable tubular chassis, 3 wheels including one on rotating support; handle guidance; detector protected by a fine grid with great transparency; 3 preset heights from 4 to 50 mm.
 - ✓ **CST28:** tractor, mower type
- Detector DAB 1800-2:** double counter, area: 750 x 250 mm
- Electronic :**
 - ✓ Treatment box with built-in charger and battery (8h autonomy)
 - ✓ Remote display box with signalisation del and speed indicator
- Detection characteristics :**
 - ✓ Sensitivity depends on the speed and the distance between the detector and the floor
 - ✓ Detection limits β at 4σ (^{36}Cl to 50 mm of the floor, speed 1km/h): 450Bq (150Bq at 0.5km/h) in a natural background (0.1 $\mu\text{Sv/h}$)
- Dimensions :** with large detectors, handle folded: 1090 x 894 mm (L x l), height 477 mm
- Constraints:** Gas supply by **B1** or **B5** type bottles, 100 bars (not included); average consumption, detector window in good shape: 1l/h (permanent: 4l/h)
- Alternatives:**
 - ✓ CST-M : tractor, with high sensitivity mosaic detector and with improved gamma environment compensation
 - ✓ RP 50R (gamma, for road vehicle)



- α , β and γ contamination floor measurements
- Real-time gamma background compensation
- Insensitive to shock and vibration (reduced false alarm)
- Adjustable and automatic alarm threshold
- Autonomous, easy-to-use system
- Speed monitor

