

CST – M

Road and floor contamination monitor

- **CST – M** tractor is a contamination monitor equipped with a double mosaic detector allowing a real-time gamma compensation. Equipment necessary for the road traffic (flashing light) and for the operation of the shielded detection mounted between the wheels system are included. The height to floor is adjustable thanks by hydraulically-operated lever. A device for velocity measurement allows an automatic integration time adjustment.

➤ Technical characteristics

- **Detection limits for 60Co in Bq, control speed of 1 km/h** (false alarm rate: 2,5% and non-detection probability: 2,5%) :

Height to floor (mm)	Detection surface (cm ²)	
	300	2100
30	415	600
50	520	750

- **Measurement electronics**
 - ✓ Numerical box with time-constants automatically adapted to the speed of the tractor
 - ✓ Audible signalisation of threshold crossing
 - ✓ Alphanumeric visualisation on back lighted LCD screen (125 x 70 mm)
- **Constraints**
 - ✓ Built-in battery charger
 - ✓ Arg-CO2 or Arg-CH4 gas bottle for counting, B5 type; consumption 4 litres/h
- **Equipments**
 - ✓ Support of gas B5 bottle for the operation of the mosaic detector.
 - ✓ Electric box and battery (with charger) supports independent from the tractor for a better immunity to parasites
- **Temperature** : from 0°C to 4°C,
- **Humidity** : not to be used under rain



- **By road contamination measurement**
- **Simultaneous control of 2 surfaces of reference: 2100 cm² et 7 x 300 cm²**
- **γ real-time compensation**
- **Automatic adaptation to control speed**
- **Professional-use tractor, with hydrostatic transmission**
- **Option: Marking out of the ground, integrated cabin (photo above)**