FST SENSORTECHNIK

Monitor Type SJM 2100 for Radio-Iodine

High-grade Continuous Monitoring System

- for environmental Radio-Iodine pollution
- with lower detection limit of typically 0,2Bq/m3 in 1 hour designed
- for heavy-duty operation
- controlled by compact micro electronics

  with well-tried firmware
  “Iodine Gradient Program”

  automatic determination
  of sampling time

  mainly controlled by
  alarm threshold setting
- auto control function

Mobile Design

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Technical Data

Detection Limit:	0,2Bq/m3 in 1 hour
Measuring Range:	6 decades
Preheating System:	heating hose
Detector Cooling System:	Peltier cooling
Detector:	1,5”x1,5” NaI(Tl) crystal
Lead Shielding:	50mm wall thickness
Preamplifier:	charge sensitive
Aerosol Pre-Filter:	filter candle
Filter Cartridge:	activated carbon
Electronics:	UPAS 2100; SMC2100
Firmware:	iodine Gradient Program
Display:	5,6” TFT display (320x240 pixel)
Keyboard:	foil matrix keyboard, 24+1 keys
Alarms:	visible (beacon) and audible (85dB)
Interfaces:	RS232, 0(or 4)-20mA, relays
Air Throughput:	approx. 5m3/h
Mech. Components:	housing, pump, chassis assembly, lead shielding
Power Supply:	230V AC
Dimensions:	(B)600mm x (H)850mm x (D)600mm
Weight:	approx. 200kg

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