



## MPO Surface Contamination Monitor

This contamination controller is built around a polished stainless steel measuring chamber allowing easy decontamination, its small size and ease of operation permits a start up in few minutes.

### FEATURES

Gamma contamination detection on small objects in low background areas.

- Detectors and electronics internal self-test
- Automatic background compensation during contamination measurement
- Provides visual and audible alarms with relays outputs
- Contamination displayed in Cps, Bq
- Easy access to the electronics and user friendly set-up

health physics

A Mirion Technologies Division

Featuring:



**ELECTRICAL CHARACTERISTICS**

- Electrical power supply:
  - 220 VAC +/-15% or 120 VAC +/- 15%
- Mains frequency: 50 Hz or 60 Hz
- Power consumption: 30 VA
- CE compliant equipment:
  - IEC 1000-4-2/ 1000-4-3/ 1000-4-4/ 1000-4-6
  - EN 55082-2 / EN 55022



**ENVIRONMENTAL CHARACTERISTICS**

- **Operating:**
  - Temperature: +10°C to +45°C (50°F to 113°F)
  - Maximum humidity: 95% to 45°C (113°F)
  - Protection index: IP55
- **Storage:**
  - Temperature: -10°C to +70°C (15°F to 155°F)
  - Maximum humidity: < 80% to +25°C (77°F)

The measurement chamber is made out of polished stainless steel permitting easy decontamination

**PHYSICAL CHARACTERISTICS**

Isotope	Energy	Efficiency
Ba <sup>133</sup>	356 keV	12%
Cs <sup>137</sup>	662 keV	14%
Co <sup>60</sup>	1170 keV	29%



MPO: rear view

Detection limits for a 95% confidence level with Cobalt 60				
Background (µrad/h)	50	100	600	1000
Measurement time (s) for a 120 Bq MDA	52	104	624	1041
Measurement time (s) for a 370 Bq MDA	4	7	40	65



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