

always one idea ahead

Installed tritium monitor

Cionix

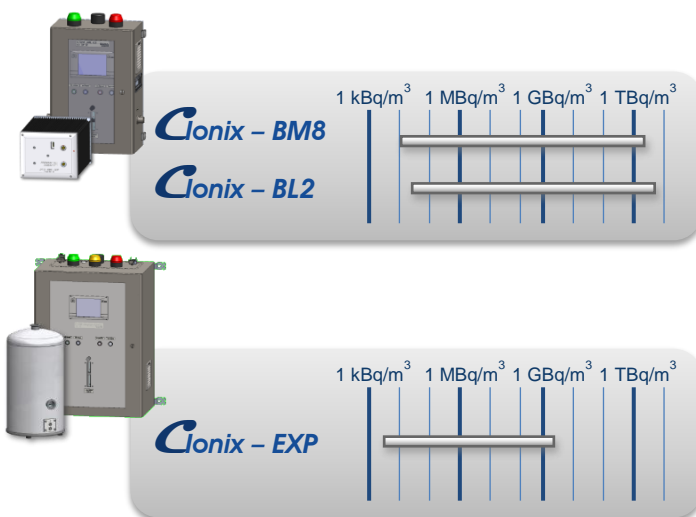
The monitor **Cionix** is used to measure continuous activity of Tritium and other β emitters in a gas for all applications of workplace monitoring, decommissioning, stack release or other applications.

Walled mounted, the monitor **Cionix** contains, in a small package, a complete Tritium monitoring channel.

It completes our range of monitors from the portable β **ionix** through the mobile **m ionix** by offering an installed solution ready to be connected in your plant.



Measurement range for tritium



✓ PERFORMANCES

- limit of detection of tritium at 5 kBq/m³
- response time below 60 seconds
- real time measurement
- Self checking
- Integrated sound and light alarms

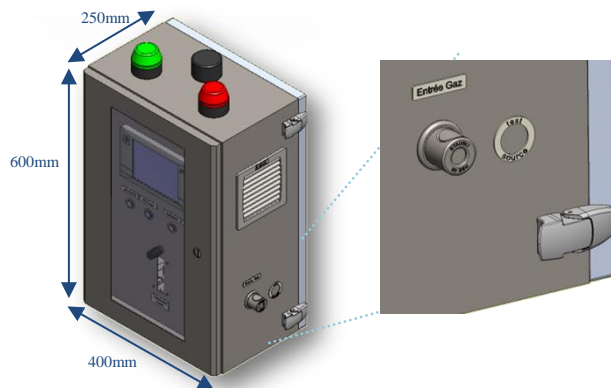
✓ SIMPLE

- Intuitive interface
- ready to install
- modular construction

✓ EASY MAINTENANCE

- minimal intervention
- quick change components
- simple γ source verification of system

Technical Specification



Cionix - BM8 / BL2

GENERAL CHARACTERISTICS :

- Power supply : 24Vdc (**Cionix - BM8 / BL2**)
220Vac (**Cionix**)
- touch screen with intuitive menus and universal symbols.
- audio and visual indication of alarm conditions.
- Export of measurements by Modbus or 4-20mA output.
- Ability to monitor and adjust flow rate.
- Input/Output assure by auto sealing Staubli gas connectors.
- In option : HTO & Noble Gas detection
- Wall fixing with quick release from wall plate.
(**Cionix - BM8 / BL2**)

PERFORMANCE (TRITIUM)

- precision : 5 % of the measured value $\pm 15 \text{ kBq/m}^3$ (**BM8**)
5 % of the measured value $\pm 5 \text{ kBq/m}^3$ (**EXP**)
- stability : 20 kBq/m³ / an (**BM8**)
5 kBq/m³ / an (**EXP**)
- Zero offset : $\pm 20 \text{ kBq/m}^3$ (**BM8**)
 $\pm 5 \text{ kBq/m}^3$ (**EXP**)
- Noise : $\pm 15 \text{ kBq/m}^3$ (**BM8**)
 $\pm 5 \text{ kBq/m}^3$ (**EXP**)



Cionix - EXP

ACCESSORIES

- exhaust coupling with filter and silencer
- entry filter
- external alarm beacon ...

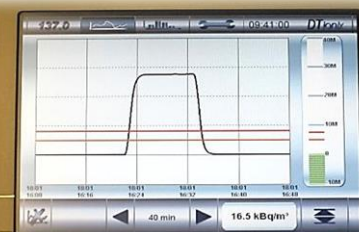
Tritium responses (PREMIUM Analyse Laboratory based on the standard NF EN 60761-1 et -5)



Response to 10 kBq/m³ of tritium



Response to 30 kBq/m³ of tritium



Response to 30 MBq/m³ of tritium

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