



PREMIUM Analyse

always one step ahead



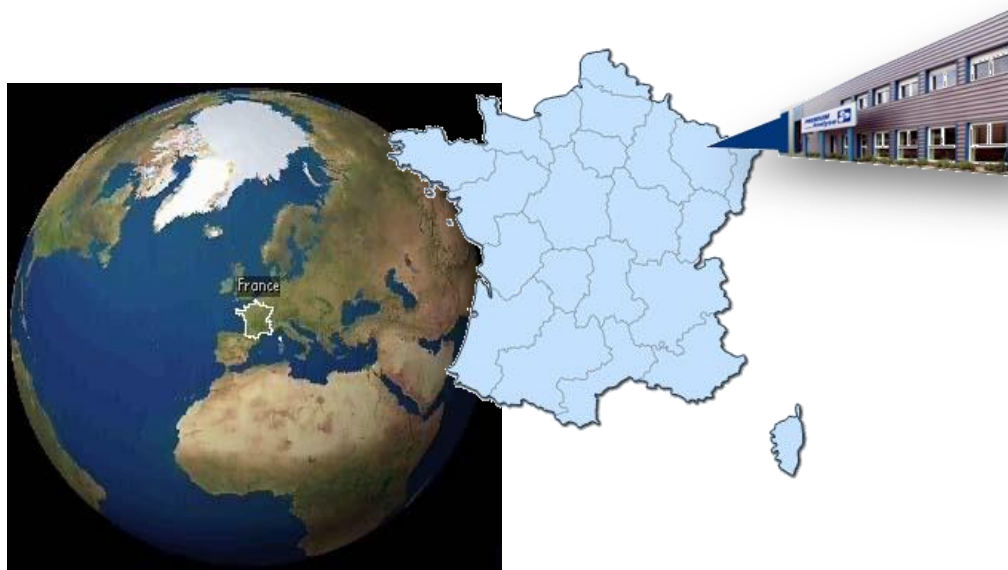
Contents

- Who we are
- A little bit about the company.
- A product overview
- A few details of some type test results.





Company Profile



- Established
- Legal form
- Address

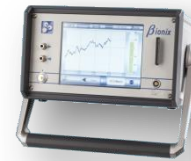
november 27 1997
S.A.S, capital 100 000 €
ZAC Euromoselle
9 rue de la Fontaine Chaudron
57140 NORROY LE VENEUR
FRANCE



Products



Gas analyser



mobile



portable



electronics



fixed

Detection of radioactive gas

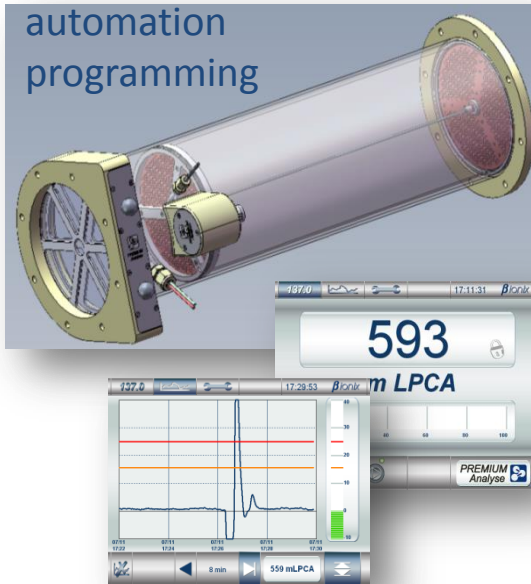
1998 99 00 01 02 03 04 05 06 07 08 09 10 11 12 ...



Skills

Engineering

electronic
automation
programming



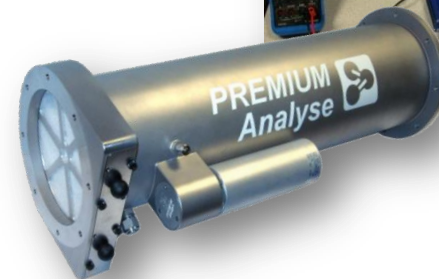
Integration

cabling
piping
assembling



Manufacturing

installation
test
calibration





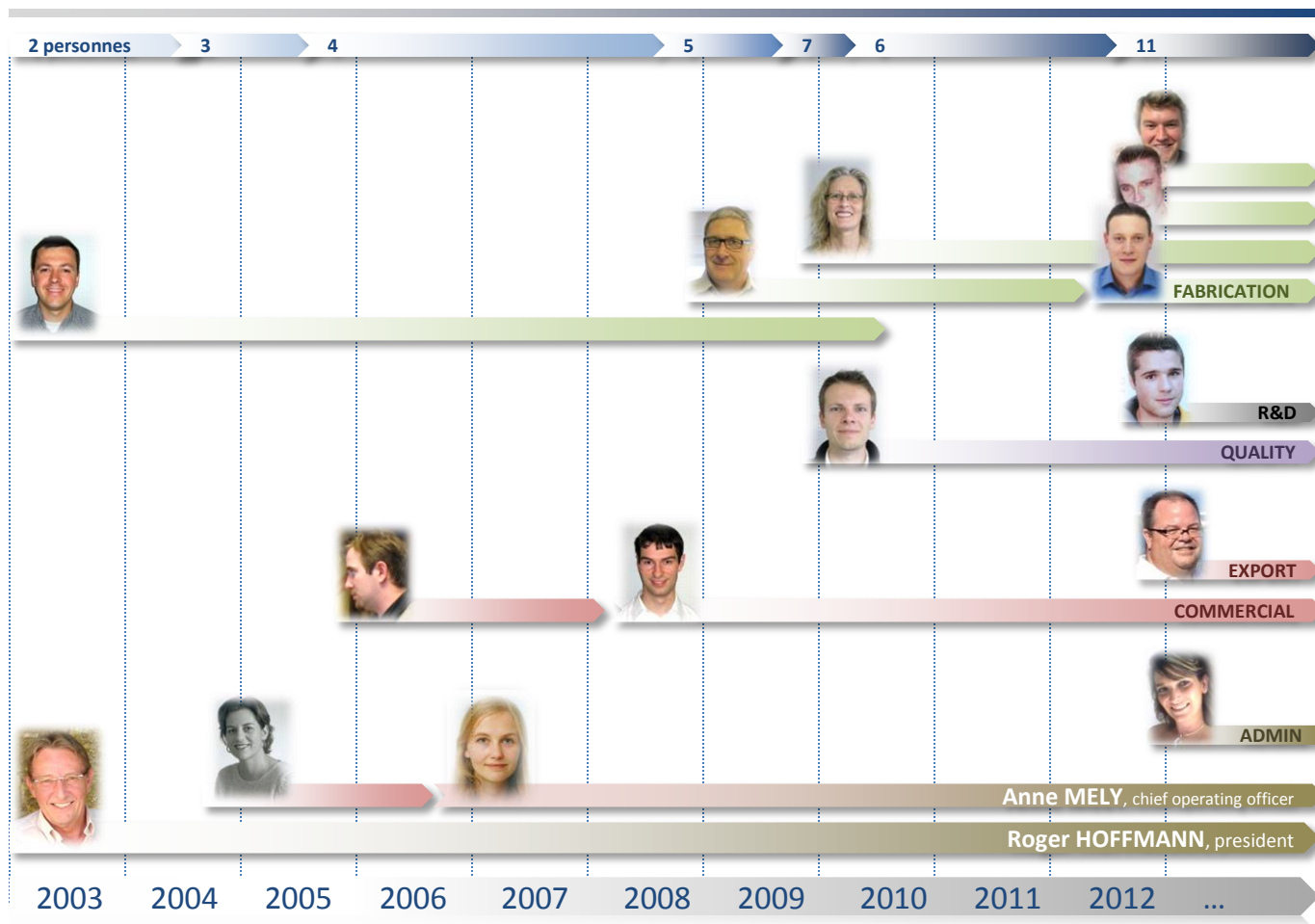
Markets



β activity measurement
 ^{85}K ^{133}Xe
 ^{222}Rn ^{14}C
Tritium

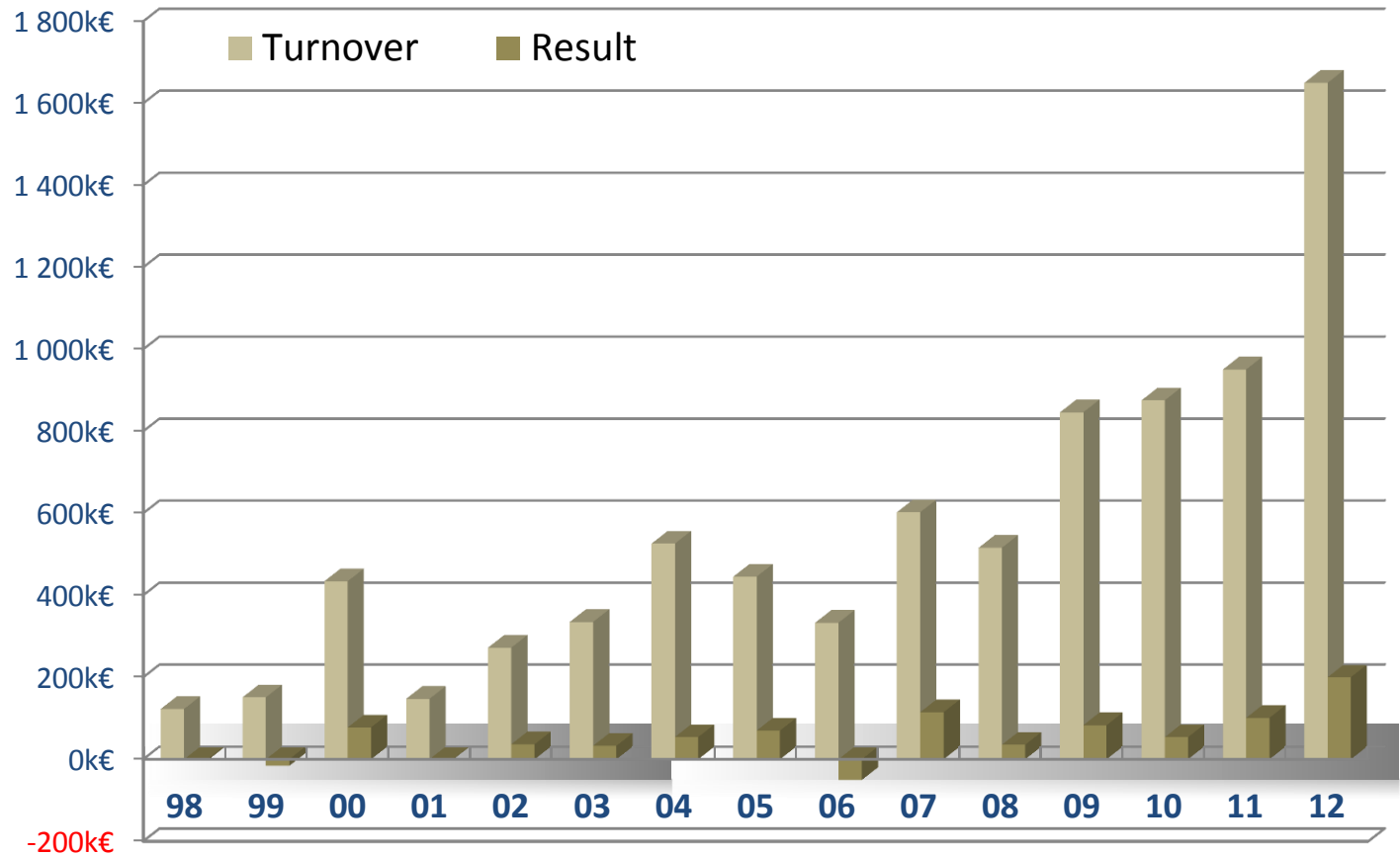


Employees





financial history





Product line

Nuclear Instrumentation

Detectors of Tritium and β activity





Complete Range

β ionix



Portable Monitors

Mionix



Mobile Monitors

Cionix



Installed Systems



Applications

- Radioprotection
- Nuclear Energy
- Process control
- Environmental protection
- Storage and treatment of nuclear wastes
- Laboratory
- and, upgrading of existing installations.



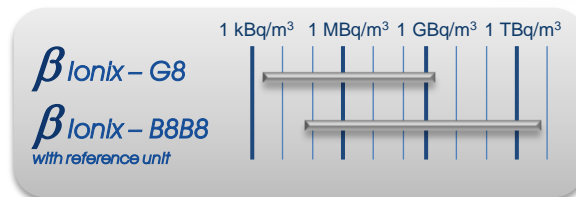


β ionix

INDEPENDENTLY
TYPE TESTED
with Tritium at
CHTIR



- Tritium detection from 15 kBq/m³
- Response time - less than 15 sec.
- Light (8 kg) and rugged
- Easy to use
- Sound and light beacon in option
- Data storage on an extractable Compact Flash.
- Autonomy 6 hours
- Modular
- Possibility of gamma compensation or a differential reference chamber



Applications :

- Radioprotection
- Environmental protection



M ionix

INDEPENDENTLY
TYPE TESTED
with Tritium at
CHTIR

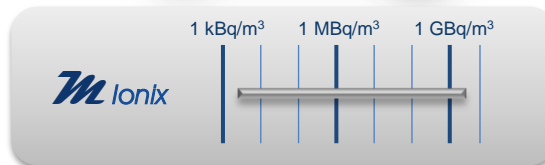


- Tritium detection from 5 kBq/m³
- Response time - less than 60 sec.
- HEPA Filtration
- Intuitive user interface
- Rugged aluminum casing
- Easy mobility even on uneven surfaces
- Data storage on an extractable Compact Flash.
- Sound and light beacon is proposed in option

Applications :

- Radioprotection
- Laboratory
- Dismantling

β activity
measurement
⁸⁵K ¹³³Xe
²²²Rn ¹⁴C
Tritium





Mionix - TGN

INDEPENDENTLY
TYPE TESTED
with Tritium at
CHTR



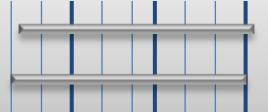
2013 - NEW MONITOR

- new monitor that separately analyze Tritium and noble gas in either a mobile (M Ionix) or installed (C Ionix) configuration.
- Response time - less than 60 sec.
- Intuitive user interface
- Rugged aluminum casing
- Easy mobility even on uneven surfaces
- Data storage on an extractable Compact Flash.

1 kBq/m³ 1 MBq/m³ 1 GBq/m³ 1 TBq/m³

Mionix - TGN (HTO)

Mionix - TGN (Kr85)



Applications :

- Radioprotection
- Laboratory
- Dismantling

β activity
measurement
⁸⁵K ¹³³Xe
²²²Rn ¹⁴C
Tritium



Installed systems

- Cabinet versions of the *β ionix* and *Mionix* called the *Cionix*
- And specific systems build for application installed in gloveboxes, ventilation ducts, etc





Cionix

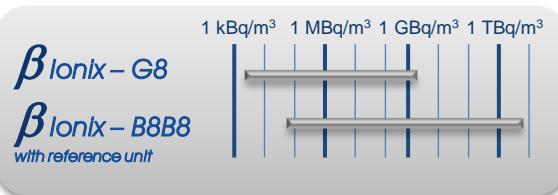
INDEPENDENTLY
TYPE TESTED
with Tritium at
CHTIR



- Tritium detection from 15 kBq/m³
- Response time - less than 15 sec.
- Easily mounted, rugged and secure
- Easy to use
- Sound and light beacon included
- Data storage on an extractable Compact Flash.
- Autonomy 6 hours
- Modular
- Possibility of gamma compensation or a differential reference chamber or multiple chamber options for Noble Gas compensation

Applications :

- Radioprotection
- Environmental protection
- Discharge calculation
- Process control



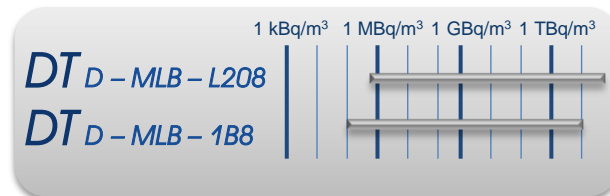
β activity
measurement
⁸⁵K ¹³³Xe
²²²Rn ¹⁴C
Tritium



DTD - MLB



- Tritium detection from 100 kBq/m³
- Response time - less than 15 sec.
- Ionization chamber 100 cc
- Various airproof connection
- Multidirectional feed through seals for glove box
- Easy decontamination
- Low maintenance



Applications :

- Laboratory
- Process control



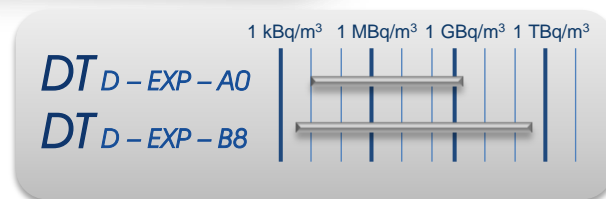
DT D - EXP



- Tritium detection from 5 kBq/m³
- Reponse time - less than 60 sec.
- Ionization chamber 4 L
- Integrated preamplifier
- Plug and play
- Easy decontamination and maintenance

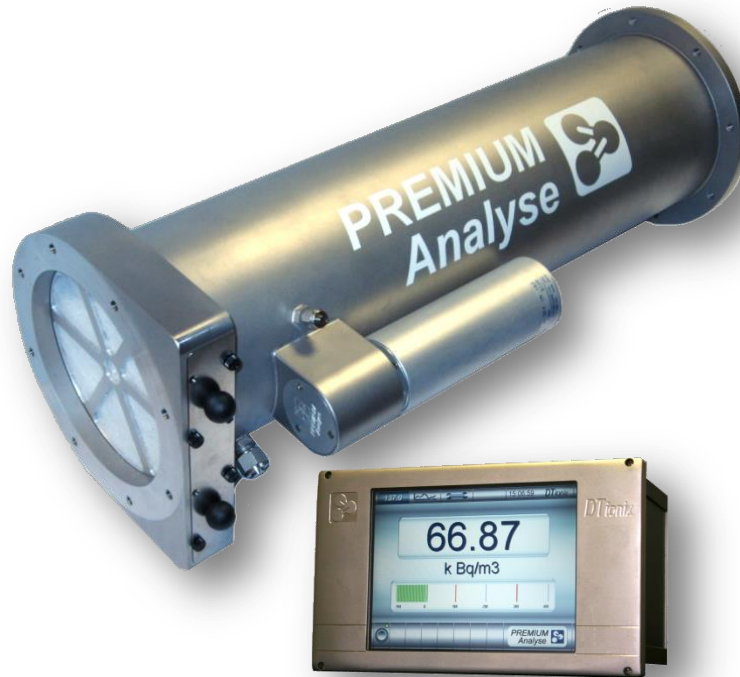
Applications :

- Radioprotection
- Laboratory
- Environnemental protection

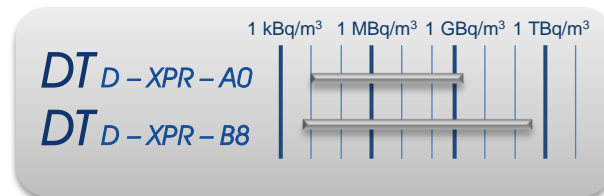




DT_D - XPR



- Tritium detection from 5 kBq/m³
- Response time - less than 60 sec.
- Ionization chamber 8 L
- Interchangeable particles filter
- Heating system gas which avoids the condensation phenomenon
- Easy decontamination and maintenance



Applications :

- Radioprotection
- Process control
- Environnemental protection



DT IONIX



- Intuitive user interface
- Coloured touch screen
- Graphic reporting from 8 minutes to 8 days.
- Data storage on an extractable on an Compact Flash.
- 4 sounding and visual adjustable alarms
- Possibility to choose and to program 3 units between 16

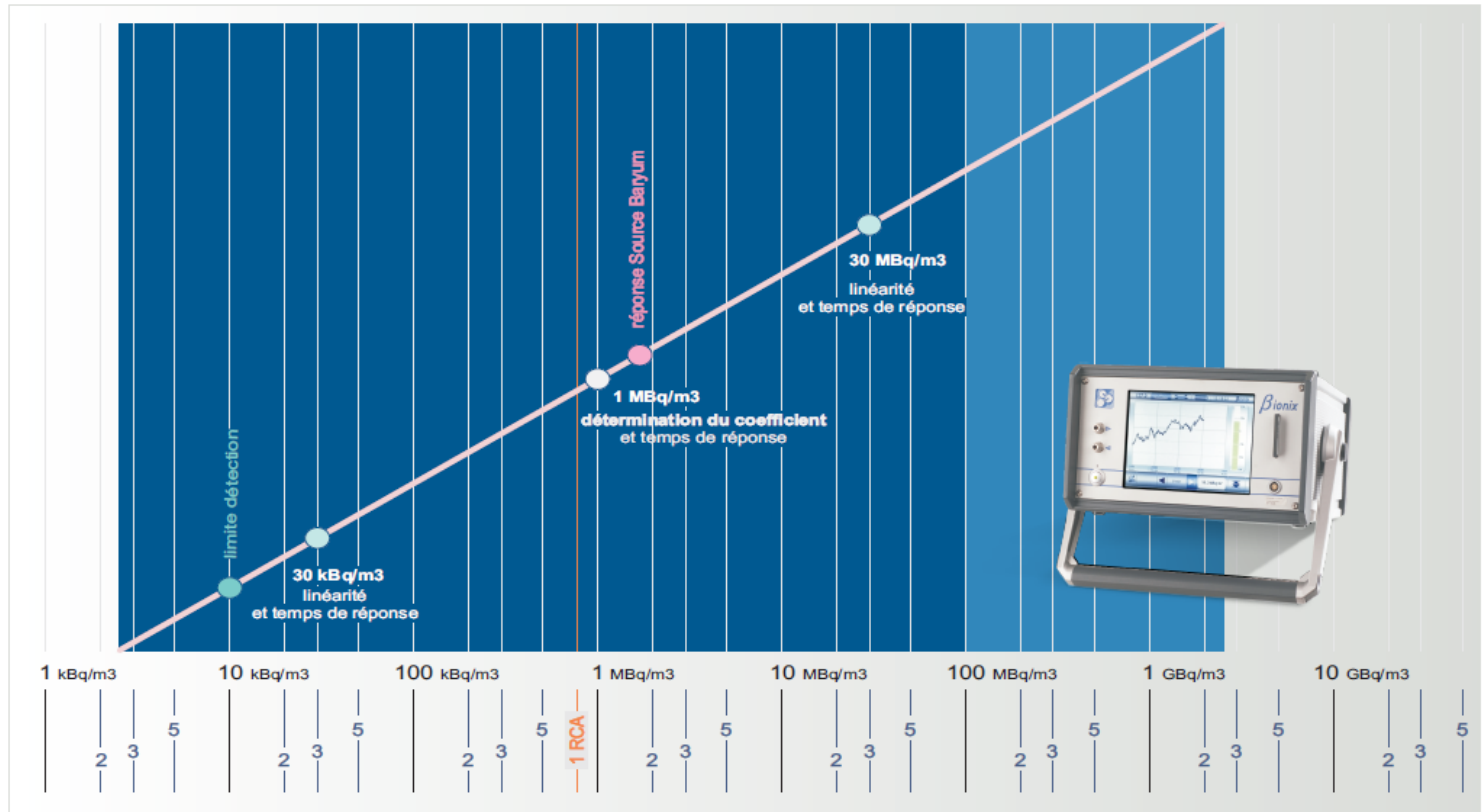


Type test data





β ionix



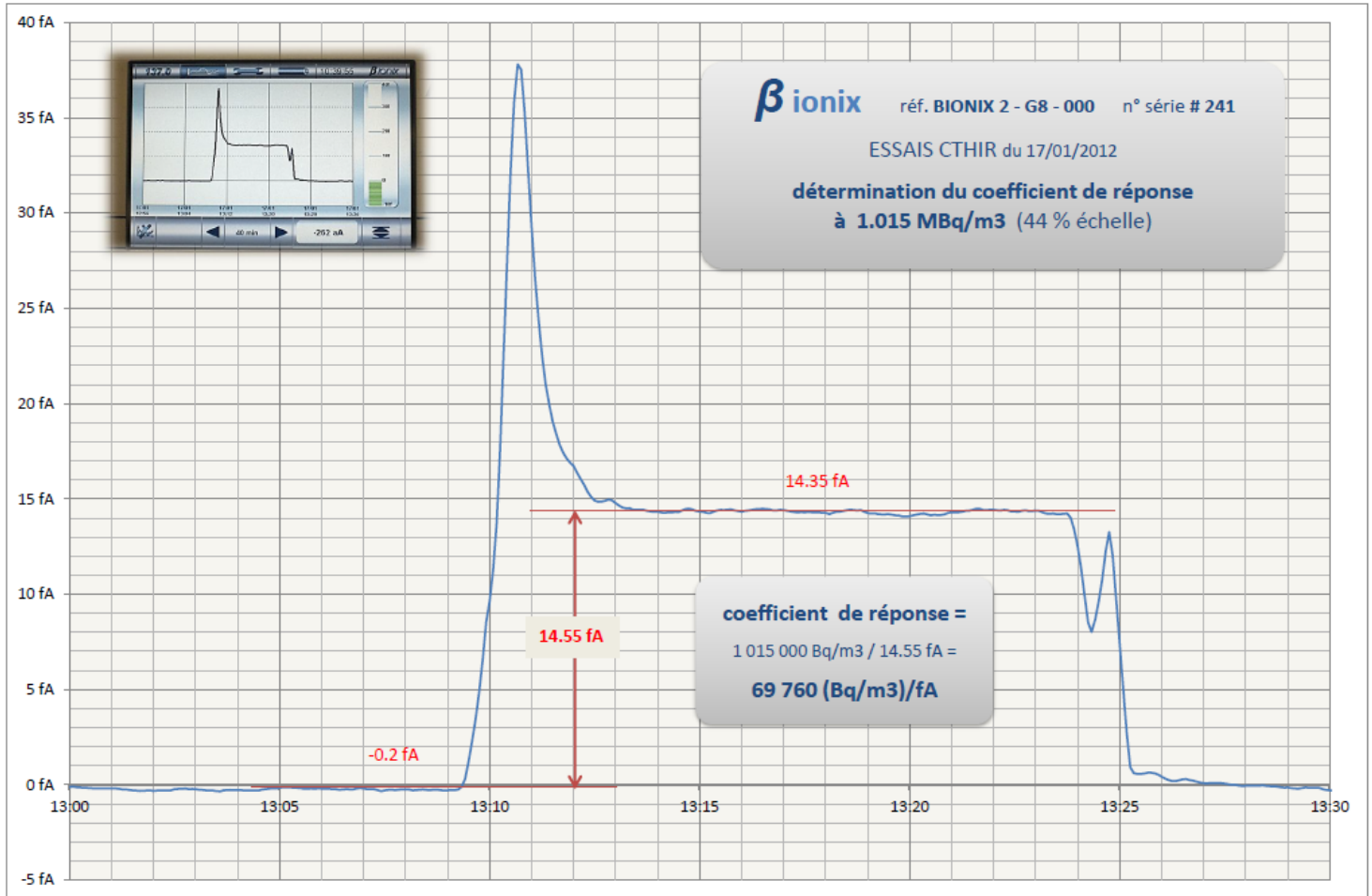
Débit Nominal: 3 l/min
Volume Chambre: 660 cc
Référence Produit: BETA IONIX - G8 - 000

β activity
measurement
⁸⁵K ¹³³Xe
²²²Rn ¹⁴C
Tritium

β ionix haute sensibilité
ESSAIS CTHIR - Représentation Graphique
rév 1 du 18/01/2012

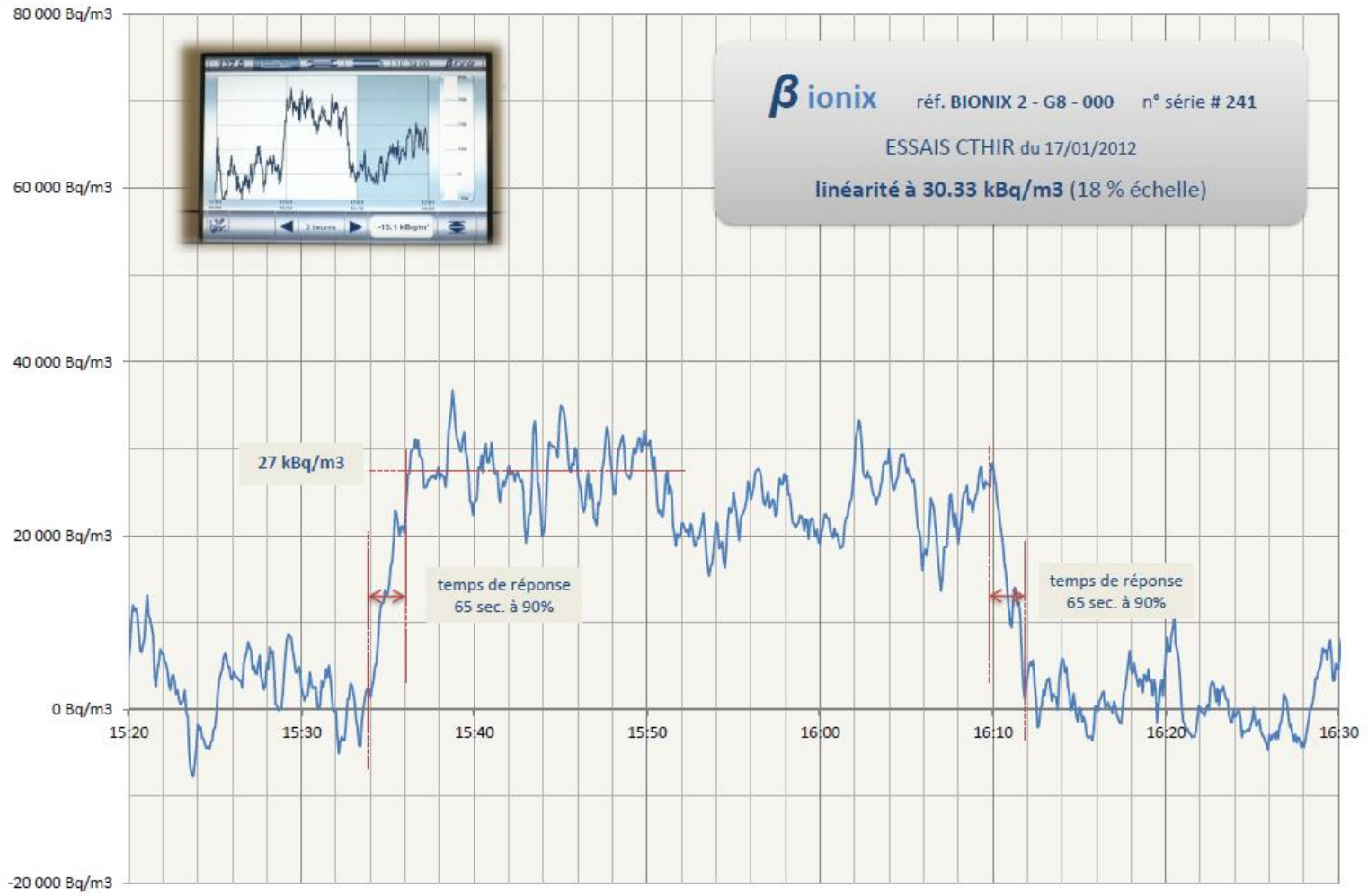


β ionix



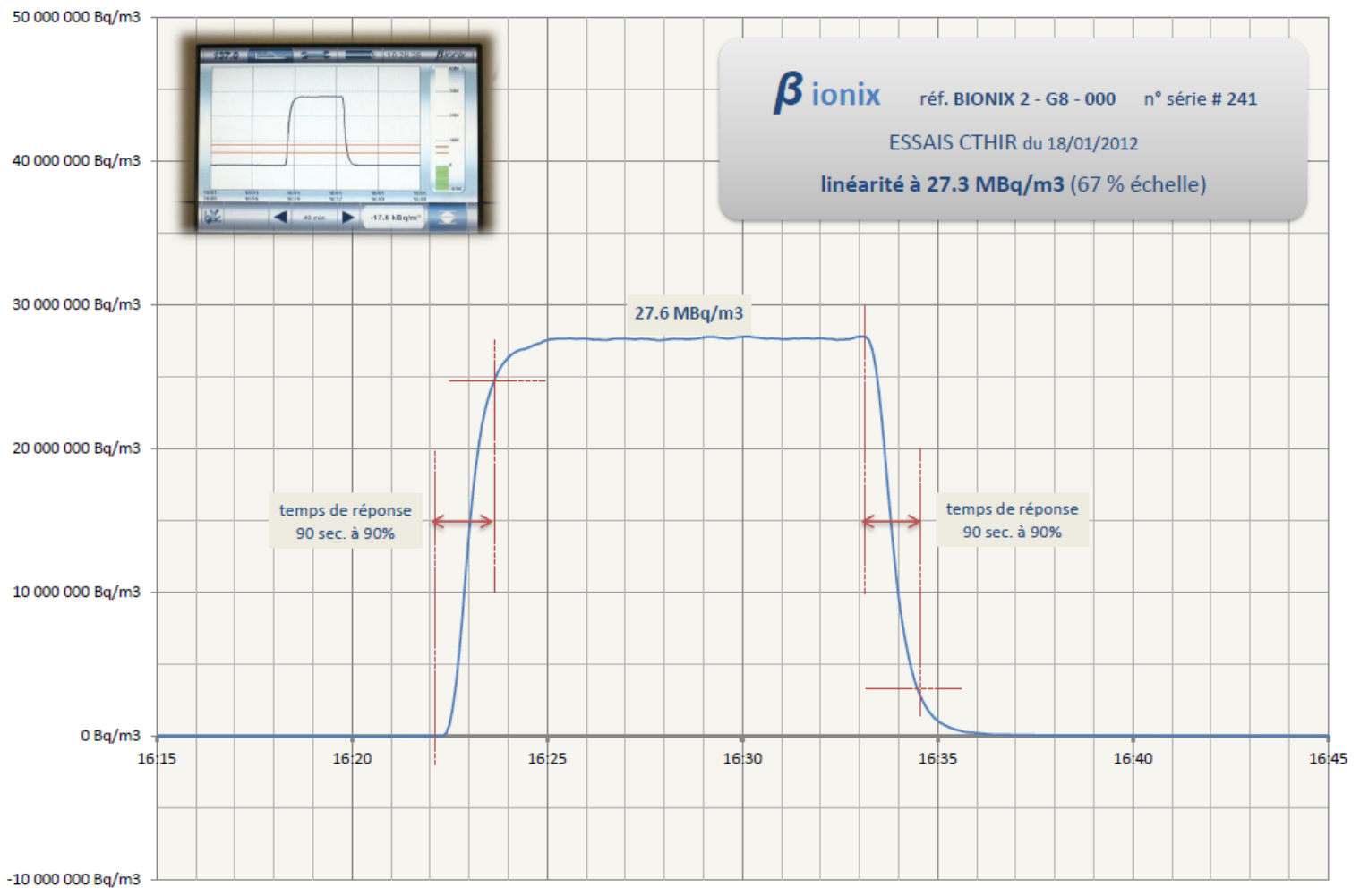


β ionix



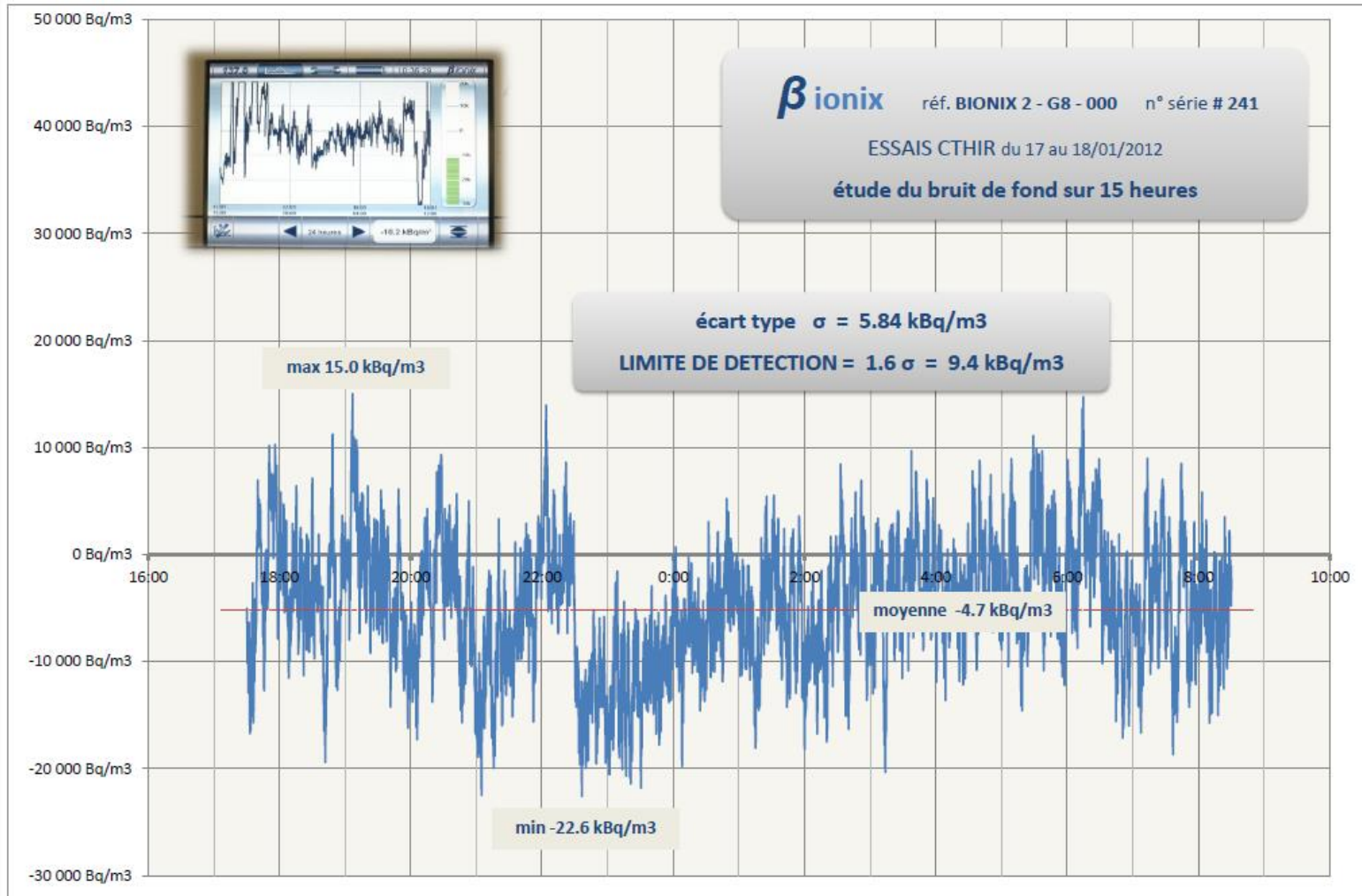


β ionix



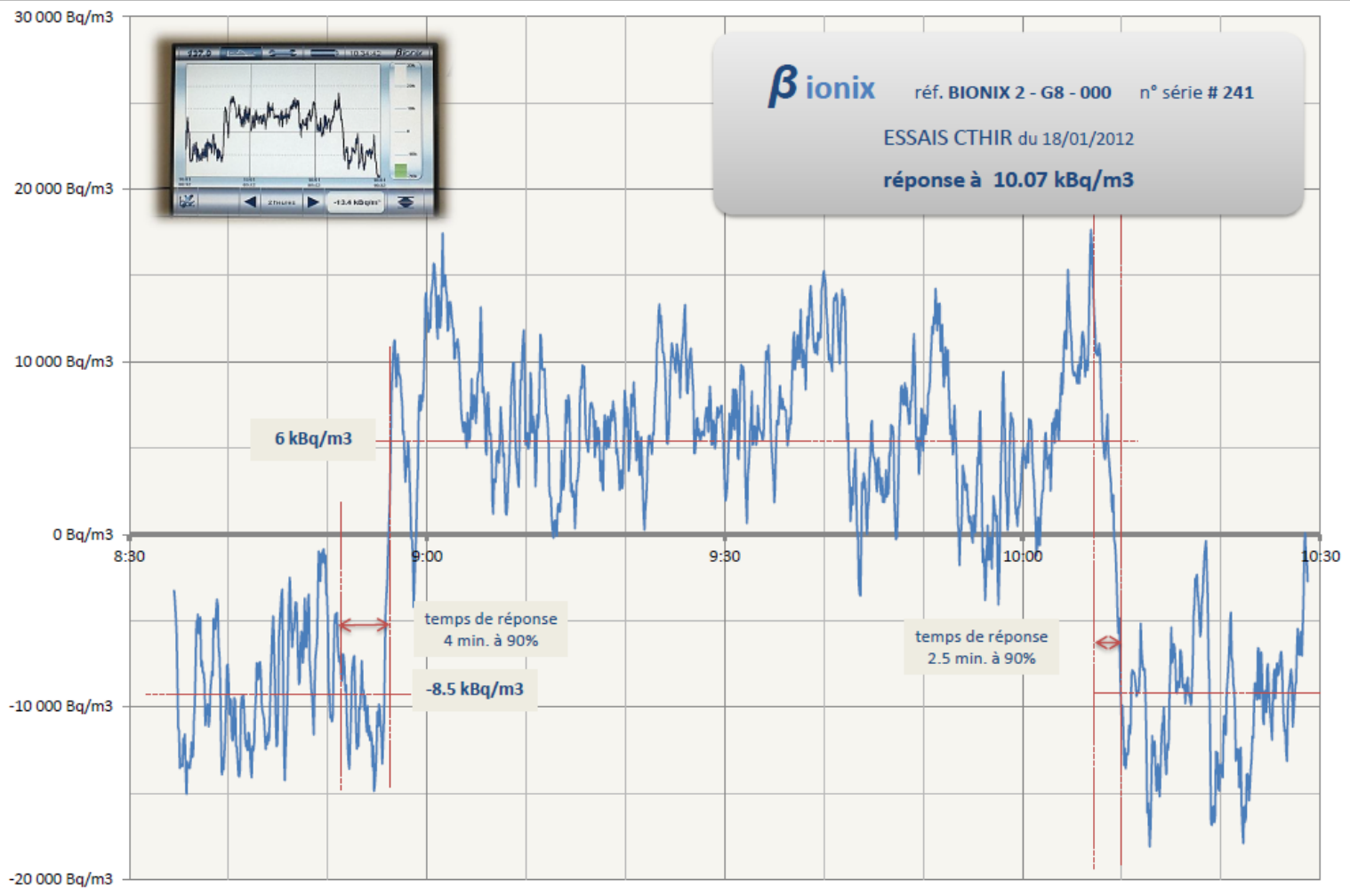


β ionix





β ionix



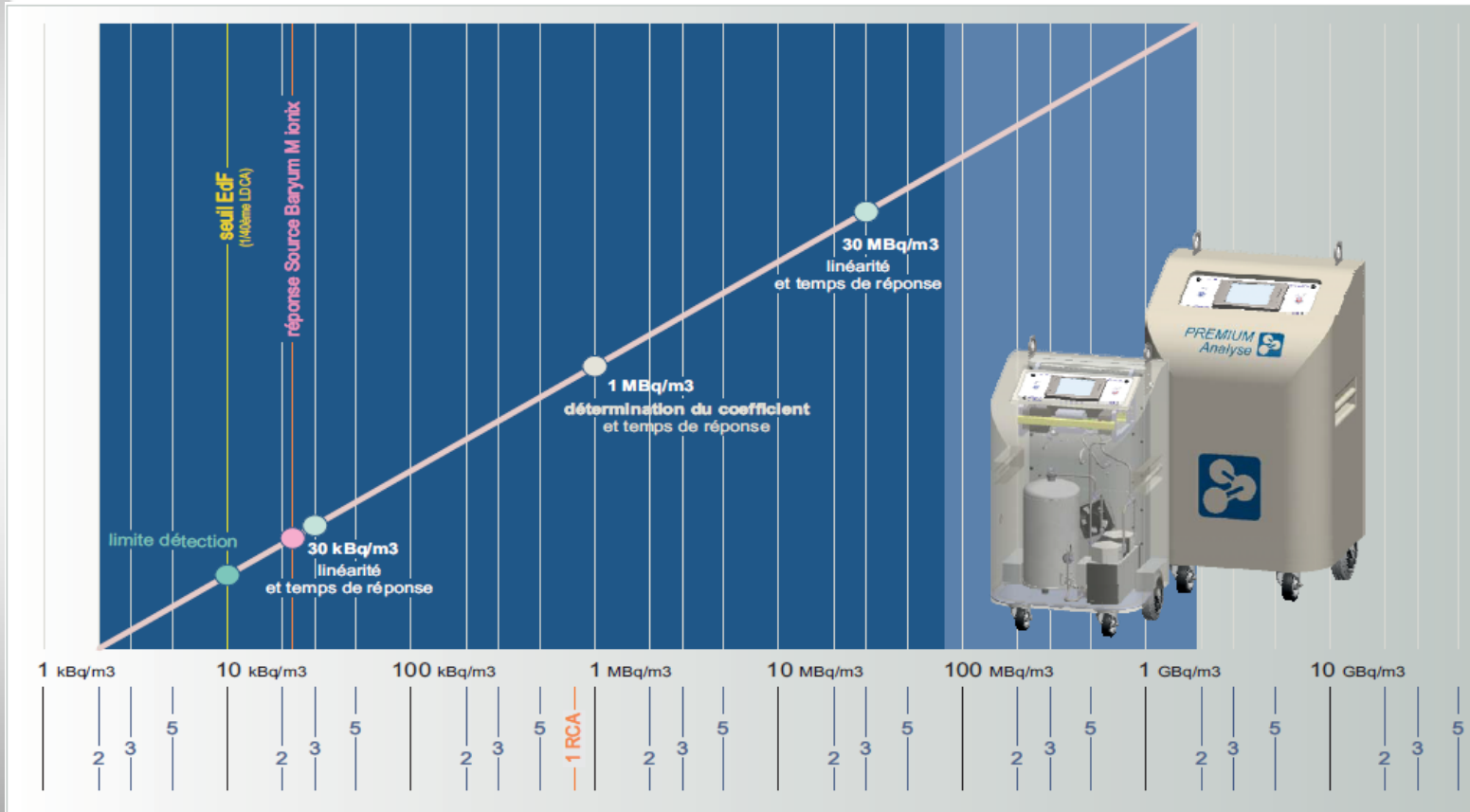


Type test data





Mionix



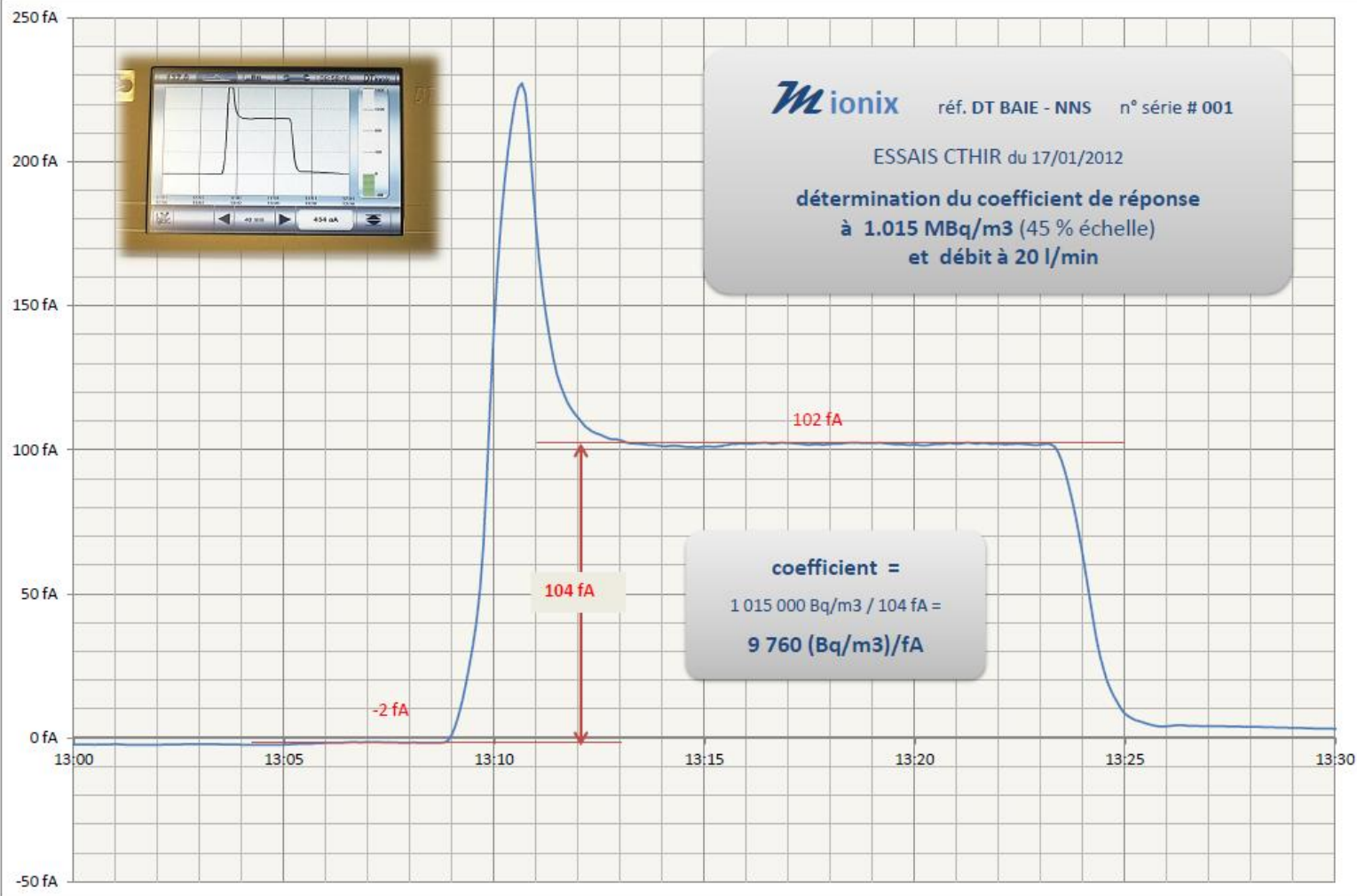
β activity measurement
⁸⁵K ¹³³Xe
²²²Rn ¹⁴C
 Tritium

Débit Nominal: 20 l/min
 Volume Chambre: 10 800 cc Cage: 4 240 cc
 Référence Produit: M IONIX - NNS

Mionix - NNS
 ESSAIS CTHIR - Représentation Graphique
 rév 1 du 18/01/2012

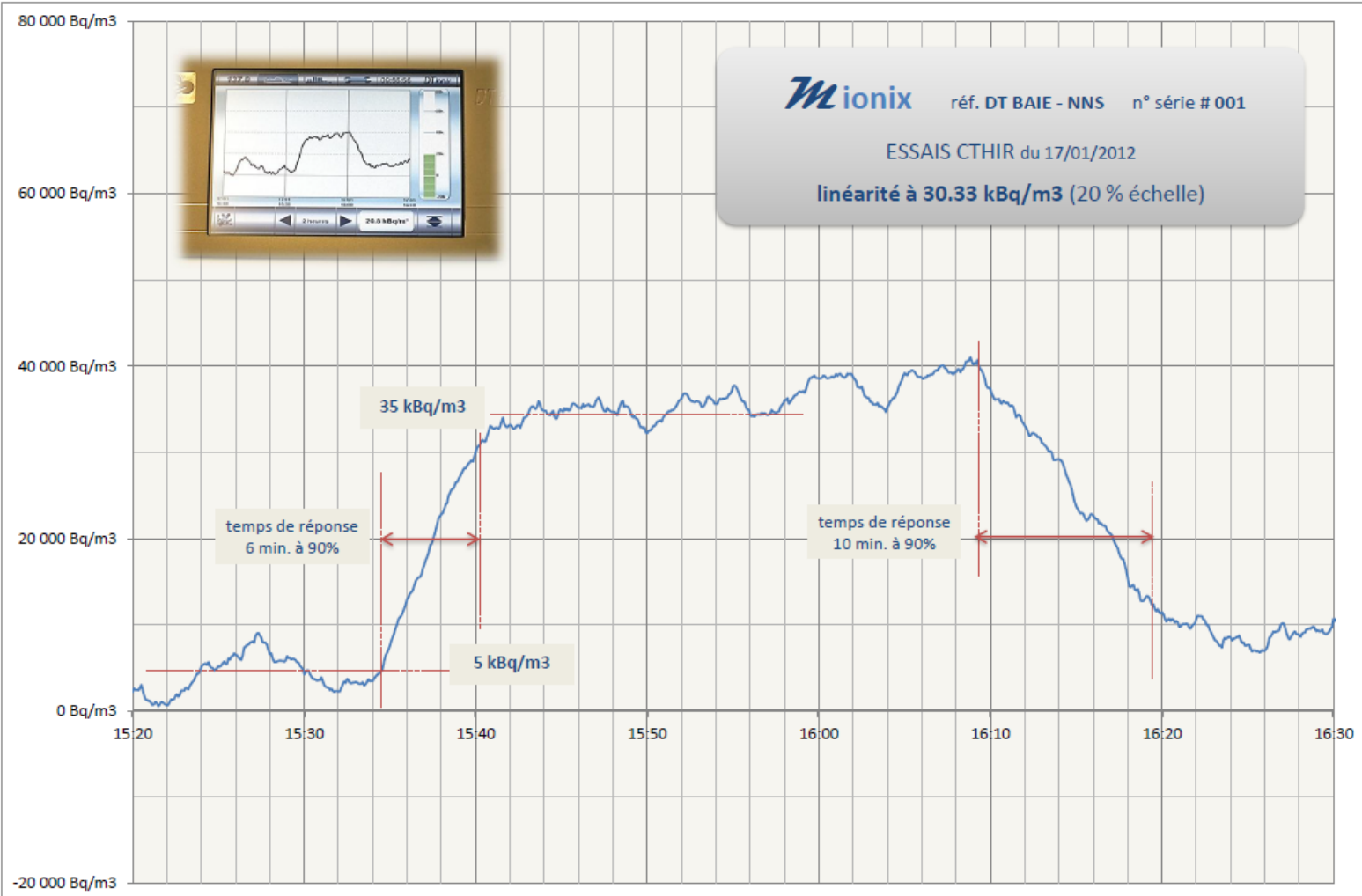


Mionix





Mionix



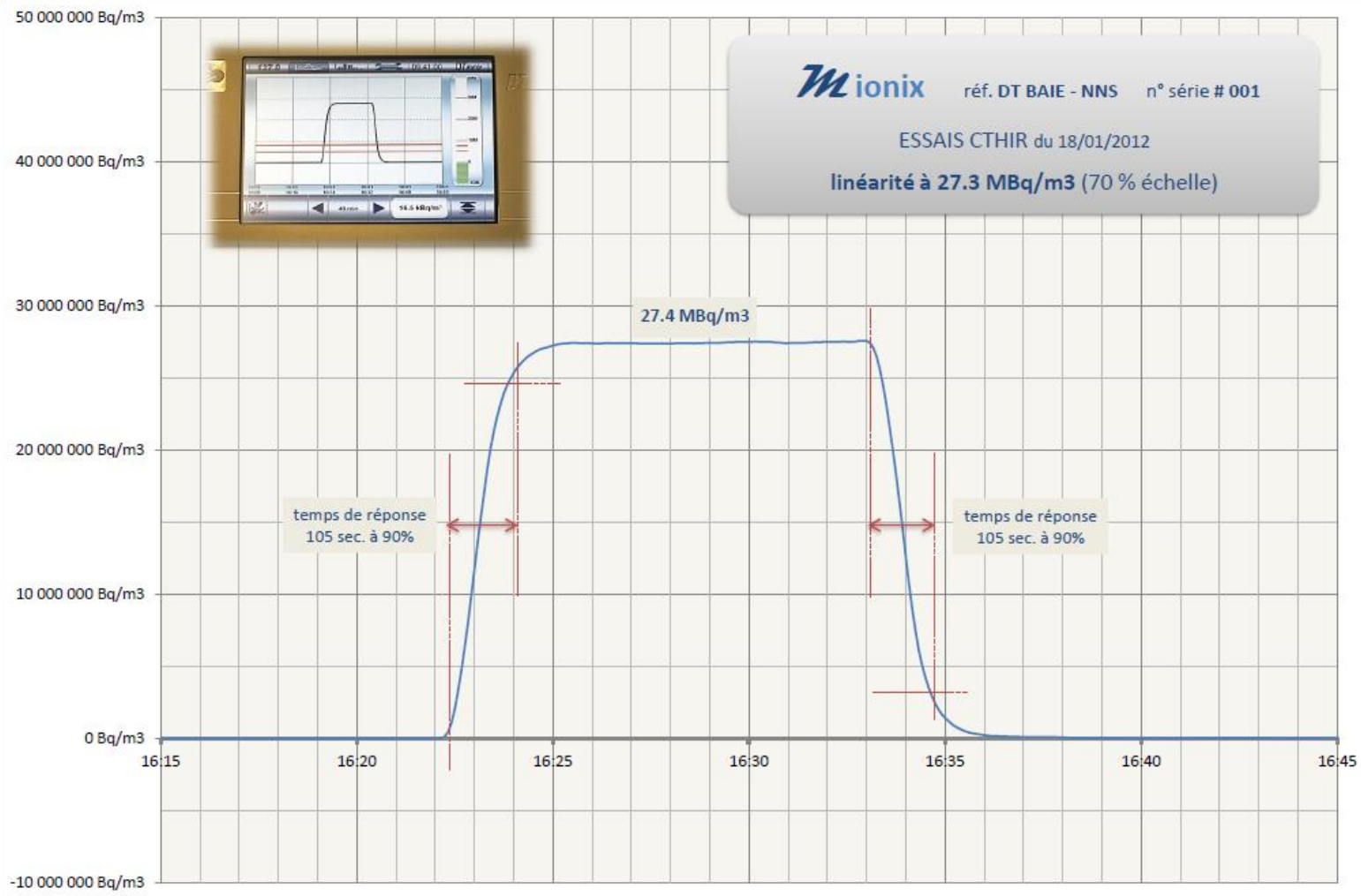
β activity
measurement

⁸⁵K ¹³³Xe
²²²Rn ¹⁴C

Tritium



Mionix



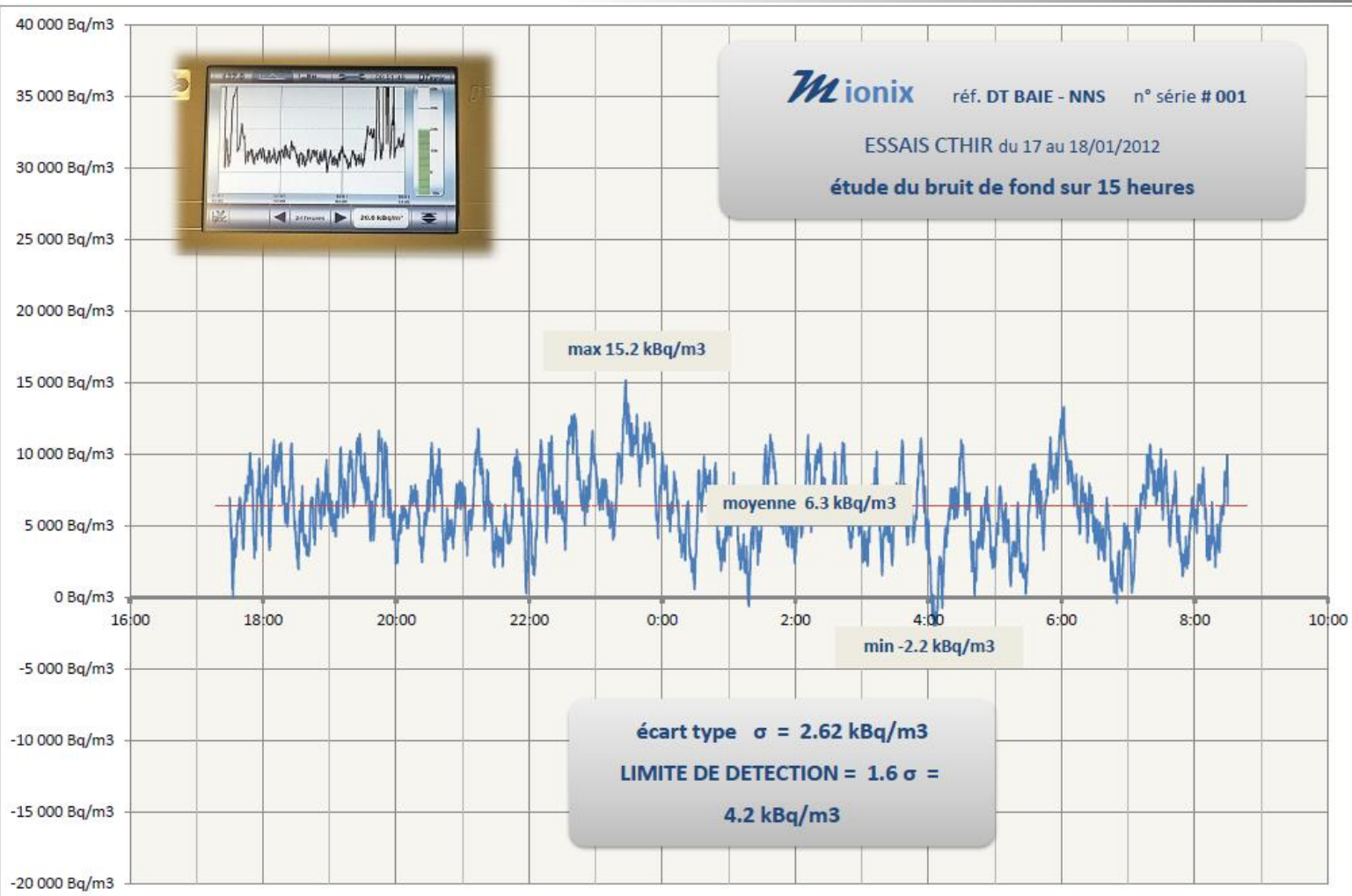
β activity
measurement

⁸⁵K ¹³³Xe
²²²Rn ¹⁴C

Tritium

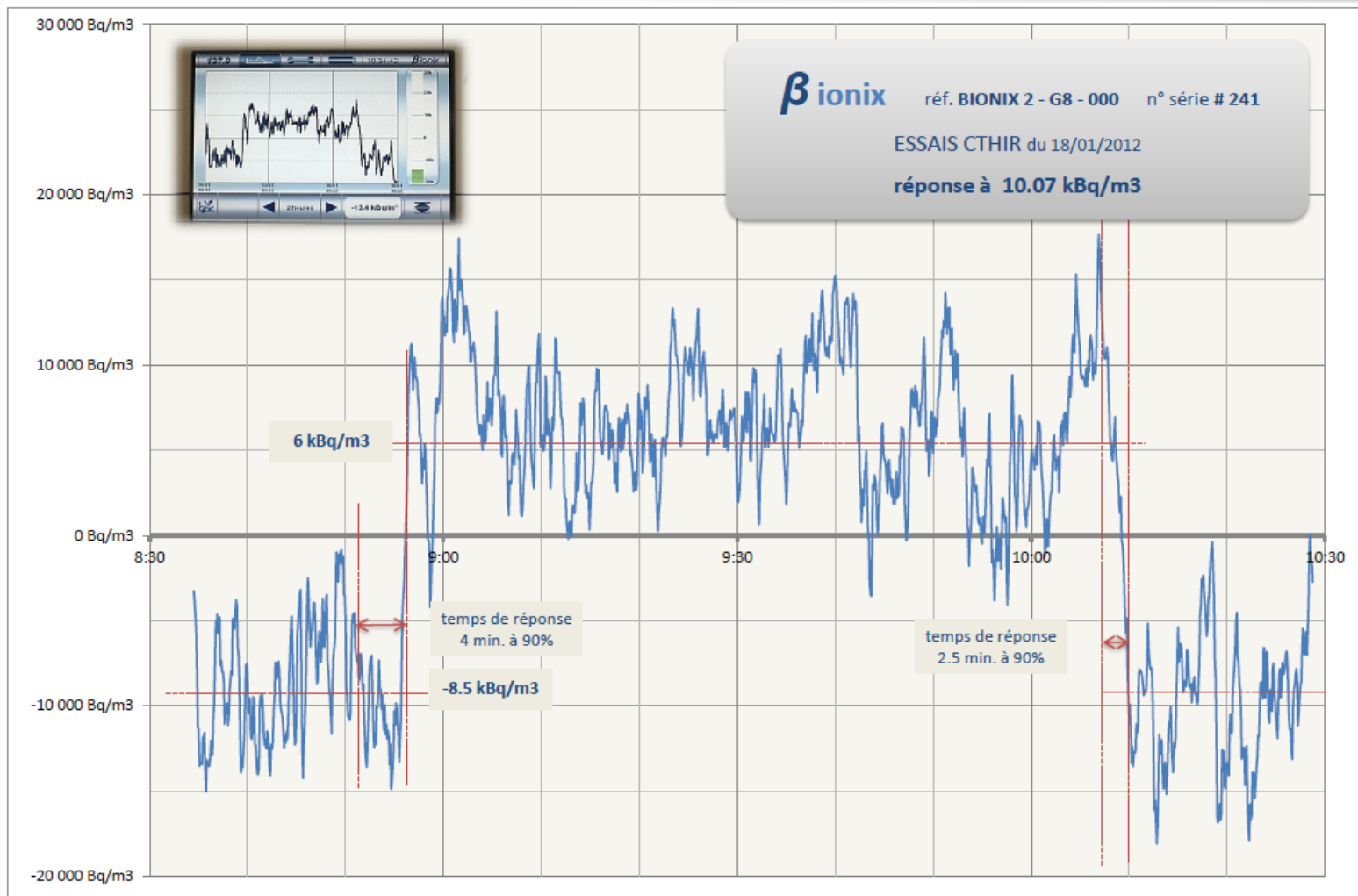


Mionix





Mionix





In summary

- **European Leader for equipment for measuring Beta radiation in gases for the :**
 - nuclear industry
 - radioprotection applications
 - environmental protection
 - waste treatment and storage
- **High technology equipment :**
 - very sensitive (from 2.5 kbq)
 - very quick response time
 - easy to use



Thank you for your attention – Do you have any questions?



PREMIUM Analyse

always one step ahead