

OTM - HX

Counting chamber
volume: 125 L

Six plastic scintillator
detectors EJ-200

Energy range: 50 KeV –
3 MeV

Detection area per
detector: 2025 cm²

Each detector includes
its own HV source and
PMT

MDA of 1 Bq/cm² in
contact

20 mm of Lead
shielding around the
counting chamber

Weigh scale 100 kg

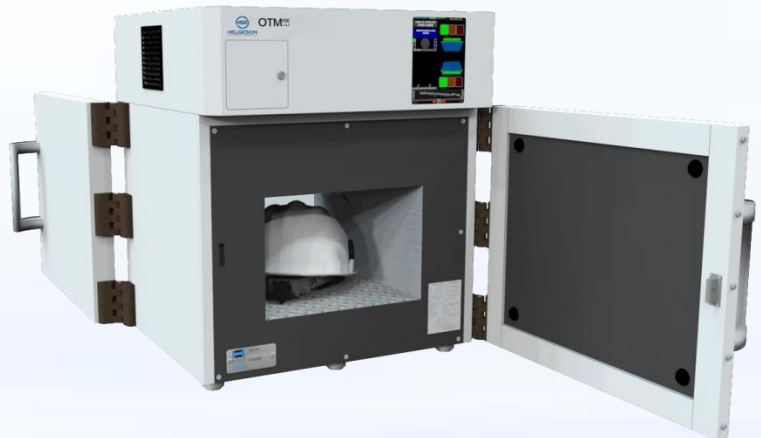
Alarms 100%
configurable

Double door and 10”
double screen

Independent and
autonomous operation

Software HS-RAD
100% configurable

Windows 7 or 10



The OTM-HX has been designed for the detection and measurement of gamma radiation on potentially exposed tools and objects.

It includes six 45x45x5cm plastic scintillator detectors with PMT and six HV sources. This guarantees that the detectors perform in their optimum operating conditions, providing and excellent signal output.

The typical efficiencies obtained are:
>30% (Co-60), >15% (Cs-137), >6% (Ba-133).

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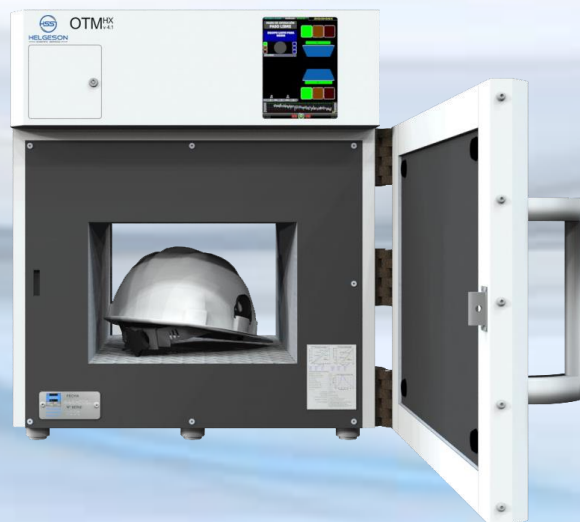
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The equipment is shielded with a 20 mm lead sheet to minimize the background contribution.

In case of high background environments, the lead shielding can be incremented.



Stability and durability are provided by means of an aluminum structure and the stainless steel cover plates.



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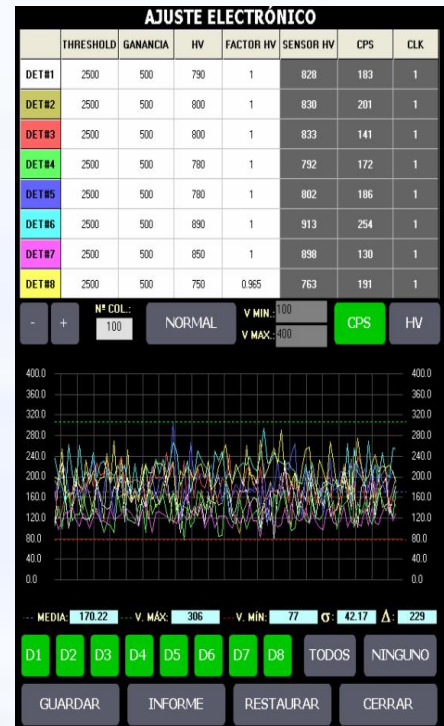
Each detector's
operating parameters
can be customized
individually.

The counting measure
is displayed showing
the information
provided by each
detector, making
possible to assess the
contaminated area.

The equipment monitors the background
constantly and starts the operation when an
object is detected inside the counting chamber.

Alarms and threshold can be easily set
depending on user's requirements. This
includes high and low background alarm, high
counting alarm, etc.

An audio interface provide instructions and
status update to the user. Male or female voice
can be selected.



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An user friendly display guides the user through all the equipment configuration menu.

All the recorded data is stored and managed by system, making possible to export it via USB.



REGISTRO DE ACCESOS Y SEGURIDAD

CLAVE OFF: CLAVE DE EQUIPO: REPITA LA CLAVE:

USUARIOS: ADMINISTRADOR

CLAVE OFF: CLAVE NUEVA: REPITA LA CLAVE: NIVEL DE SEGURIDAD: NIVEL 01

| USUARIO | NIVEL | FECHA | HORA | ACCION |
|---------------|-------|----------|----------|--------------------------|
| ADMINISTRADOR | 1 | 01/06/12 | 11:59:45 | DESBLQUEAR EQUIPO |
| ADMINISTRADOR | 1 | 01/06/12 | 12:02:29 | DESBLQUEAR EQUIPO |
| ADMINISTRADOR | 1 | 01/06/12 | 12:49:03 | DESBLQUEAR EQUIPO |
| ADMINISTRADOR | 1 | 01/06/12 | 12:57:13 | DESBLQUEAR EQUIPO |
| ADMINISTRADOR | 1 | 01/06/12 | 13:01:01 | CAMBIAR AJUSTES BARRERAS |
| ADMINISTRADOR | 1 | 01/06/12 | 13:01:42 | SALIR DE APLICACION |
| ADMINISTRADOR | 1 | 01/06/12 | 13:02:36 | DESBLQUEAR EQUIPO |
| ADMINISTRADOR | 1 | 01/06/12 | 13:02:52 | SALIR DE APLICACION |
| ADMINISTRADOR | 1 | 01/06/12 | 13:04:52 | DESBLQUEAR EQUIPO |
| ADMINISTRADOR | 1 | 01/06/12 | 13:04:54 | SALIR DE APLICACION |
| ADMINISTRADOR | 1 | 01/06/12 | 13:10:24 | DESBLQUEAR EQUIPO |
| ADMINISTRADOR | 1 | 01/06/12 | 13:33:43 | DESBLQUEAR EQUIPO |
| ADMINISTRADOR | 1 | 01/06/12 | 13:33:45 | SALIR DE APLICACION |
| ADMINISTRADOR | 1 | 01/06/12 | 13:47:12 | DESBLQUEAR EQUIPO |
| ADMINISTRADOR | 1 | 01/06/12 | 13:47:14 | SALIR DE APLICACION |
| ADMINISTRADOR | 1 | 01/06/12 | 13:49:46 | DESBLQUEAR EQUIPO |
| ADMINISTRADOR | 1 | 01/06/12 | 13:49:55 | SALIR DE APLICACION |
| ADMINISTRADOR | 1 | 01/06/12 | 14:30:24 | DESBLQUEAR EQUIPO |

FILTRAR POR: USUARIO: FEC. ENTRE: Y: HORA ENTRE: Y:

NIVEL DE SEGURIDAD: TIPO DE ACCION:

Calibration of the equipment can be easily performed following the system instructions.

The software is 100% configurable according to user's requirements.

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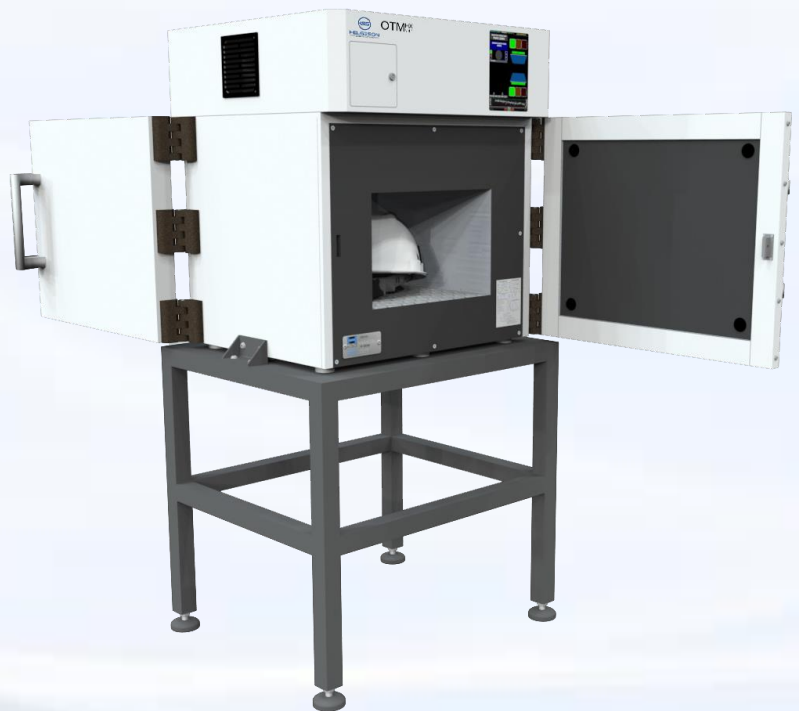
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Windows 7 or 10

In order to make more comfortable the operation an aluminum structure, with or without wheels, can be included.



The required power supply is 220 VAC / 50 Hz.

The total weight, including 20 mm of lead shielding, is approximately 400 kg.

The external dimensions are 110x80x70cm (HxDxW) approx.

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HSS has designed and manufactured the OTM series for end user's with different purposes: nuclear safety, R&D, etc.



More than 40 years of experience delivering high quality products demonstrates our commitment with our customers satisfaction.