

Counting chamber volume: 560 L

Six plastic scintillator detectors EJ-200

Energy range: 40 KeV – 3 MeV

Detection area per detector: 5000/2500 cm2

Each detector includes its own HV source and PMT

MDA of less than 1000 Bq of Cs137 @ 1 seg.

20 mm of Lead shielding around the counting chamber

Weigh scale 1000 kg

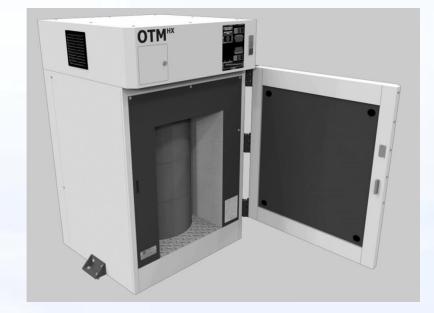
Alarms 100% configurable

Single door and 10" screen

Independent and autonomous operation

Software HS-RAD 100% configurable

Windows 7 or 10



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

It includes four 100x50x5cm and two 50x50x5 cm 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 for one detector are: >30% (Co-60), >15% (Cs-137), >6% (Ba-133).



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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 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 asses the contaminated area.

	AJUSTE ELECTRÓNICO									
	THRESHOLD	GANANCIA	HV	FACTOR HV	SENSOR HV	CPS	CLK			
DET#1	2500	500	790	1	828	183	1			
DET#2	2500	500	800	1	830	201	1			
DET#3	2500	500	800	1	833	141	1			
DET#4	2500	500	780	1	792					
DET#5	2500	500	780	1	802	186				
DET#6	2500	500	890	1	913	254				
DET#7	2500	500	850	1	898	130				
DET#8	2500	500	750	0.965	763	191	1			
-	+ 100		ormal	V MIN.: V MAX.:		CPS	ΗV			
400.0 - 360.0 - 320.0 - 280.0 - 280.0 - 200.0 - 160.0 - 120.0 - 80.0 - 40.0 - 0.0 -										
	A: 170.22	V. MÁX:	306	TT		42.17				
D1	D2 D3	D4 D	5 D6	D7 D	8 TODO	JS NIN	GUNO			
GU	ARDAR	INFO	RME	REST	AURAR	CERF	RAR			

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.

USUARIOS ADMINISTRADOR - RESTAURAR									
CLAVE OFF	CLAVE NUEVA: REPITA LA CLAVE:		NIVEL DE SEGURIDAD: ÚLTIMA FECHA DE ACCESO:		NIVEL 01 💌				
USUABIO	NIVEL	FECHA	HOBA	ACC	10N	1			
ADMINISTRADOR		01/06/12		DESRI OQUEAR EQUIPO		-			
ADMINISTRADOR		01/06/12		DESBLOQUEAR EQUIPO		_			
ADMINISTRADOR				DESBLOQUEAR EQUIPO		_			
ADMINISTRADOR		01/06/12		DESBLOQUEAR EQUIPO		_			
ADMINISTRADOR		01/06/12		CAMBIAR AJUSTES BAR					
ADMINISTRADOR		01/06/12		SALIR DE APLICACIÓN	manies.	- 11			
ADMINISTRADOR		01/06/12		DESBLOQUEAR EQUIPO		_			
ADMINISTRADOR		01/06/12		SALIR DE APLICACIÓN					
ADMINISTRADOR		01/06/12		DESBLOQUEAR EQUIPO		- 11			
ADMINISTRADOR		01/06/12		SAUB DE APLICACIÓN		_			
ADMINISTRADOR	1	01/06/12	13:10:24	DESBLOQUEAR EQUIPO		_			
ADMINISTRADOR		01/06/12		DESBLOQUEAR EQUIPO		- 11			
ADMINISTRADOR	1	01/06/12	13:33:45	SALIR DE APLICACIÓN					
ADMINISTRADOR		01/06/12		DESBLOQUEAR EQUIPO		-1			
ADMINISTRADOR		01/06/12		SALIR DE APLICACIÓN		- 1			
ADMINISTRADOR	1	01/06/12	13:49:46	DESBLOQUEAR EQUIPO					
ADMINISTRADOR	1	01/06/12	13:49:55	SALIR DE APLICACIÓN					
ADMINISTRADOR	1	01/06/12	14:30:24	DESBLOQUEAR EQUIPO					
FILTRAR POR USUARIO: NIVEL DE SEGURID		01/0	6/12 E ACCIÓ	04/06/12	TRE: Y:				

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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A roller conveyor can be installed as an optional to help the user to introduce the drums inside the equipment.



The required power supply can be customized: 220 VAC / 110 VAC.

Optional detectors like Nal, LaBr3 or CZT can be included in the design to obtain high quality spectrums

The total weight, including 20 mm of lead shielding, is approximately 5000 kg.

The external dimensions are 170x95x95cm (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.

