

Hill, Carol

From: Simmons, Michelle
Sent: Wednesday, September 30, 2015 8:27 AM
To: Hill, Carol
Subject: FW: University of Hawaii license amendment
Attachments: NRC amendment letter0001.pdf; NRD_Data_Sheet_Item2U500.pdf; NRD_Bulletin_OSHA_MSDS.pdf

Good Morning,

Please set this up as a new amendment request. Thank you.

From: Irene Sakimoto [mailto:isakimot@hawaii.edu]
Sent: Wednesday, September 23, 2015 2:39 PM
To: Simmons, Michelle <Michelle.Simmons@nrc.gov>
Subject: [External_Sender] University of Hawaii license amendment

PUBLIC

- ☐ Immediate Release
☒ Normal Release

NON-PUBLIC

- ☐ A.3 Sensitive-Security Related
☐ A.7 Sensitive Internal
☐ Other: _____

Reviewer: RTZ Date: 12-11-15

Dear Ms. Simmons,

Please find attached our amendment application letter, the MSDS from Staticmaster and a flyer from the manufacturer about the sealed sources. We would like to add 6 Po-210 sources with 500 uCi in each source for a total of 3 mCi to our license if it is required.

Thank you for your attention to this matter. Hopefully, this request can be expedited since the researcher is anxious to start his experiments.

Sincerely,
Irene Sakimoto
University of Hawaii
RSO

UNIVERSITY OF HAWAII AT MĀNOA

Environmental Health and Safety Office

September 23, 2015

Ms. Michelle Simmons
U.S. Nuclear Regulatory Commission
Region IV
1600 East Lamar Boulevard
Arlington, Texas 76011-4511

Docket No: 030-0757
License No.: 53-000170~~23~~
Control: 575912


Dear Ms. Simmons,

The University of Hawaii would like to amend our license to add 6 sources of Po-210 with 500 uCi activity in each sealed source for a total of 3 millicuries of activity.

The sources are manufactured by Staticmaster, Model number 2U500. The MSDS for the item is attached in the email.

Thank you in advance for your prompt attention to this matter. The researcher asked if this can be expedited.

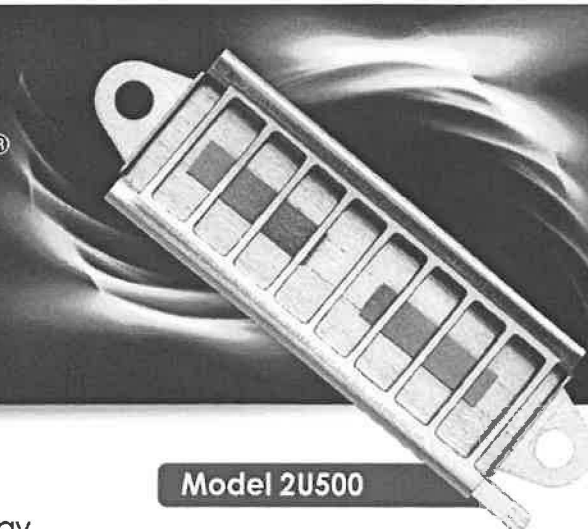
Sincerely,


Irene Sakimoto
RSO

Staticmaster®

Ionizing Cartridge

(Model 2U500)



Staticmaster® 2U500 Ionizing Cartridge

The only self-powered static eliminator available today. Its small profile makes it an ideal solution for in-balance ionization, and it is inherently balanced to zero volts – which helps ensure thorough static removal for accurate weighs every time.

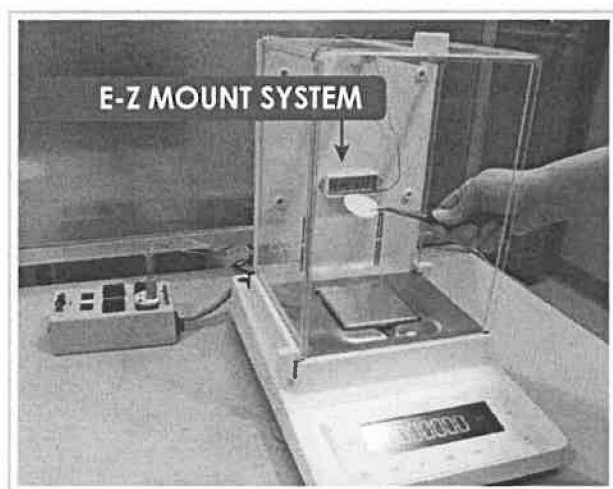
Model 2U500



Model 5060

Staticmaster® 2U500 Grounding Kit, Model 5060

Significantly enhances the static eliminating power of the 2U500 Ionizing cartridge. Extensive testing has shown that adding the Grounding Kit to your in-balance ionizer can significantly increase the performance of the static eliminator.



E-Z MOUNT SYSTEM

Staticmaster® 2U500 E-Z Mount

An indispensable accessory for mounting a 2U500 cartridge in the Balance Chamber. Simply remove the protective layer of the double-sided tape and affix the E-Z Mount to the back wall of the chamber. Once the mount is attached, replacing the 2U500 Ionizing Cartridge is fast and easy.

2937 Alt Boulevard, PO Box 310, Grand Island, NY 14072-0310 | Toll Free: 800 . 525 . 8076

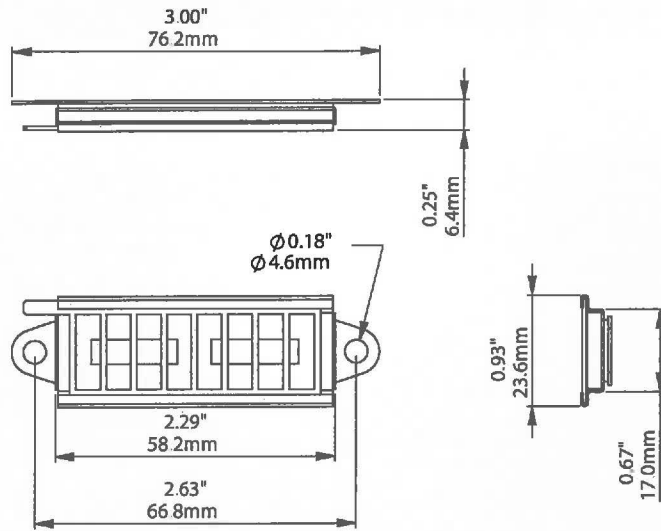
P: 716 . 773 . 7634 | F: 716 . 773 . 7744 sales@NRDinc.com www.NRDStaticControl.com | www.PrecisionWeigh.com



NOTICE: NRD warrants that these materials are reasonably fit for the purpose described. We believe that specifications and technical information presented are based on test methods that produce accurate results. The foregoing limited warranty is expressly made in lieu of, and no other express and no implied warranty of merchantability or fitness for a particular purpose is made. NRD, LLC will not be liable for incidental, consequential, special, exemplary or punitive damages. The limited warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, error or failure to properly maintain, clean or repair products.

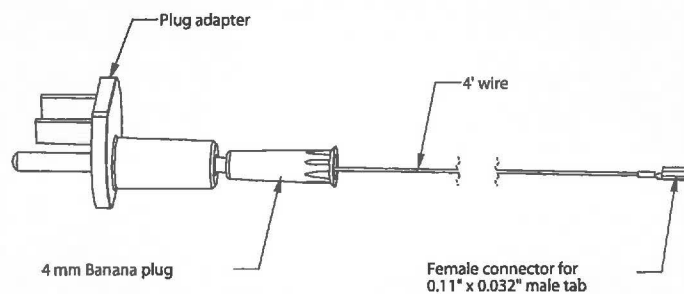
Staticmaster®

Ionizing Cartridge (Model 2U500)



Model 2U500 Specifications

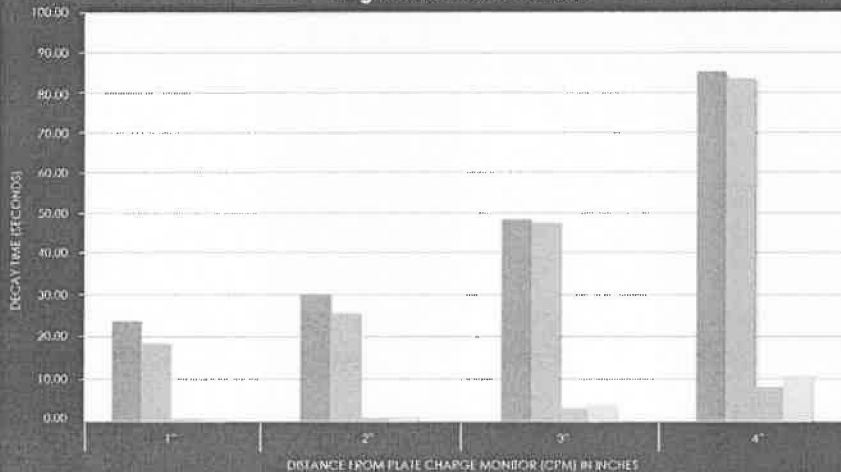
MATERIAL: Stainless steel housing, aluminum grid
WEIGHT: 0.4 oz. (11.3g)
ISOTOPE: Polonium-210
EMISSION: Alpha
ACTIVITY: 500 μ Ci
OPTIMUM RANGE: 0.5" to 1.5"



Grounding Kit Model 5060 Specifications

MATERIAL: ABS/PC Adapter, tinned copper wire
WEIGHT: 0.8 oz. (22.7g)
GROUND WIRE: 4'

2U500 AVERAGE DECAY TIME
Ungrounded vs. Grounded



2U500 AVERAGE DECAY TIME (SECONDS)				
Distance in Inches	Ungrounded		Grounded	
	Positive	Negative	Positive	Negative
1"	23.40	17.26	0.44	0.44
2"	30.00	24.88	1.21	1.40
3"	48.13	47.07	3.34	4.36
4"	85.68	83.85	7.94	10.64

Note on Ion Source

All NRD ion sources are encapsulated in precious metals by means of a patented process. This results in a static eliminator which resists oxidation, solvents, heat, cold and vibration. To maintain peak performance and conform to government regulations, ionizers are available on a one-year lease.

OSHA Regulations and Nuclear Static Eliminators

OSHA has adopted regulations (29 CFR 1910.1096) that cover the use of ionizing radiation in general industry. These are based on the US Nuclear Regulatory Commission regulations covering the use of radioactive material. Section 29 CFR 1910.1096 (p) specifies that an employer who uses radioactive material under the terms of a valid NRC or Agreement State license "shall be deemed to be in Compliance with the requirements of this section with respect to such possession and use."

Since you become a **General Licensee** by receiving our devices, you shall be deemed to be in compliance with the OSHA requirements with regard to the use of our nuclear static eliminator, provided that you use them in accordance with the instruction sheets provided to you with these devices.

Hazard Communication / Material Safety Data Sheet (MSDS) Exclusion

Ionizing devices manufactured by NRD, LLC are excluded from the OSHA Hazard Communication and Material Safety Data sheet requirements. This exclusion is stated under 29 CFR 1910.1200 (b) (6) (xi).

NRD, LLC will not issue an MSDS for this reason. All required instructions are included with each product shipped.

2937 Alt Boulevard, PO Box 310, Grand Island, NY 14072-0310
Toll Free: 800 . 525 . 8076 | P: 716 . 773 . 7634 | F: 716 . 773 . 7744 sales@NRDinc.com www.NRDStaticControl.com

