

From: <Terrill.Garland@kidde-fenwal.com>
To: "Jonathan Rivera" <JXR4@nrc.gov>
Date: 4/7/05 3:25PM
Subject: Re: SSD review for new Model No. 7054, Certificate No. NR-668-D-101-E

Jonathan,

As we discussed earlier today, here is the information on the instrument that was used for the dose rate measurements:

Model: S-1371A
Maker: OKEN
<http://www.oken.co.jp/h/pdl/eng/sms/s4.html>

Please let me know if you need any additional information on this equipment. And as soon as I receive the environmental conditions, I will forward them to you.

As we also discussed, please have both the Model CPD-7054 and CPD-7054D added to the NRC Reg. Certificate and Exempt Distribution license. This additional Model CPD-7054D will be identical to the CPD-7054, except for the production sensitivity range, which will need to be electronically adjusted to meet the UL duct detector requirements.

Thank you for your cooperation in this matter. If you have any questions concerning this subject, please contact me.

Regards,

Terry Garland
Manager, D&A Project Development
Kidde-Fenwal, Inc.

Tel: (508) 881-2000 Ext. 2364
Fax: (508) 231-2015
e-mail: Terrill.Garland@kidde-fenwal.com

"Jonathan Rivera" To: <Terrill.Garland@kidde-fenwal.com>
<JXR4@nrc.gov>
>
cc: "John Jankovich"
04/07/2005 <JPJ2@nrc.gov>
08:34 AM Subject: Re: SSD review for
new Model No. 7054, Certificate
No. NR-668-D-101-E

b38

Good morning Terry,

Thank you for the information. We have reviewed your comments. At this time, the only piece of information that we need to complete the review is that stated under Item No. 4 of the attachment to my email to you on 3/18/05 - environmental conditions during dose rate measurements and instrument used (including type, window thickness, and sensitivity).

Thank you.

Jonathan Rivera
Materials Safety & Inspection Branch
U.S. Nuclear Regulatory Commission
Phone: (301) 415-5810
Email: jxr4@nrc.gov

>>> <Terrill.Garland@kidde-fenwal.com> 03/25/05 03:33PM >>>

Jonathan,

Here is our response to the issues we discussed. I have added our comments in red on the attached list. Please let me know if this resolves all of the outstanding issues, except for the two pieces of info. I am waiting for from our manufacturer in Japan.

(See attached file: New dwgs for Alternate Assy.PDF)(See attached file: NRC Ltr 5-13-02.PDF)(See attached file: Kidde-Fenwal, Deficiencies&Clarifications-Response.doc)
Regards,

Terry Garland
Manager, D&A Project Development
Kidde-Fenwal, Inc.

Tel: (508) 881-2000 Ext. 2364
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e-mail: Terrill.Garland@kidde-fenwal.com

"Jonathan
Rivera" To:
<JXR4@nrc.gov <Terrill.Garland@kidde-fenwal.com
> >
cc: "John Jankovich"
03/24/2005 <JPJ2@nrc.gov>
11:55 AM Subject: Re: SSD review for
new Model No. 7054, Certificate
No. NR-668-D-101-E

Good Morning Terry,

Would like to check up on the status of the issues that we discussed in our conference call on 3/22, and also make sure that you received my fax with the OECD/NEA 1977 standard for smoke detectors.

Thanks,

Jonathan Rivera
Materials Safety & Inspection Branch
U.S. Nuclear Regulatory Commission
Phone: (301) 415-5810
Email: jxr4@nrc.gov

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CC: "John Jankovich" <JPJ2@nrc.gov>

Mail Envelope Properties (42558922.959 : 23 : 59737)

Subject: Re: SSD review for new Model No. 7054, Certificate No. NR-668-D-101-E
Creation Date: 4/7/05 3:27PM
From: <Terrill.Garland@kidde-fenwal.com>
Created By: Terrill.Garland@kidde-fenwal.com

Recipients

nrc.gov
twf4_po.TWFN_DO
JPJ2 CC (John Jankovich)
JXR4 (Jonathan Rivera)

Post Office
twf4_po.TWFN_DO

Route
nrc.gov

Files	Size	Date & Time
MESSAGE	5572	04/07/05 03:27PM
Mime.822	6368	

Options

Expiration Date: None
Priority: Standard
Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard

Survey Meter for the Low Energy ^{125}I γ -ray S-1371A ^{125}I **[Description]**

^{125}I is widely used in the fields of medicine and biology for synthesizing the labeled compounds and for Radioimmunoassay.

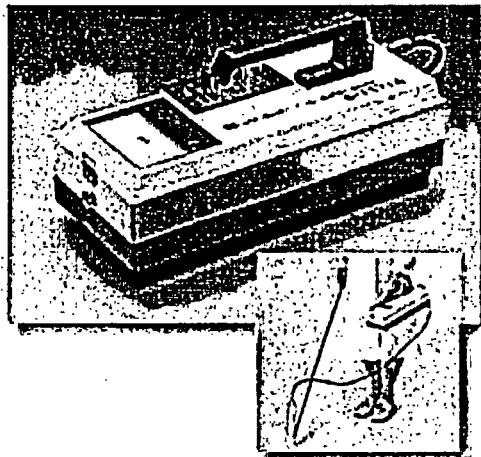
The Model S-1371A is a survey meter to be used in industries or laboratories dealing with ^{125}I . This survey meter can detect, with very high sensitivity, contaminations including surface contaminations by nuclides with low energy γ -ray.

In contrast to conventional survey meters which have 0.1% of counting efficiency against ^{125}I the Model S-1371A has 24% of efficiency (240 times sensitive) and can detect as low as $10\text{-}4\ \mu\text{Ci}$.

Also, the detector has an extension probe support and can easily check and detect the floor contaminations.

[Features]

- 1 The counting efficiency against ^{125}I is 24% and 240 times sensitive than a GM counter.
- 2 An extension probe support is provided for checking the floor contamination.
- 3 The detector has directivity (low sensitivity for incident beams with an angle) and can detect the floor contamination under a high background.
- 4 Two Unit 2 batteries are used as the power source. They are very easy to replace.
- 5 Other than ^{125}I , this model can be used for measurements of low energy radiations such as β -ray Bremsstrahlung radiation or X-ray.
- 6 As the logic output signal is provided, outputting of the integrated data to scaler or a personal computer is available.

**[[Survey Meter Series]]**

Dew-free type α -ray Survey Meter SZS-201* Dew-free type β -ray Survey Meter SPS-201

Dew-free type γ -ray Survey Meter SND-201* ^{125}I Survey Meter for the Low Energy ^{125}I γ -ray S-1371A

