



## P4701 RISØ 能量测试铝楔

技术和使用信息

### 描述:

该铝楔是按照丹麦Risø国家实验室的高剂量参考实验室的技术规格制作的。它应该用于测量大致介于2 MeV-20 MeV范围内的能量。每一片铝楔都经Risø在10MeV电子加速器上的测试和鉴定。

### 使用:

铝楔既可以水平方向也可以垂直方向使用。铝楔必须总是和电子束垂直。铝楔应该以一致的方式安装,并在标准加工条件下辐照,以保持结果的连续性。

轻轻地撬开铝楔的两瓣,不要扭动铝楔,因为这样可能破坏铝楔上的对直销。铝楔在室温条件下最容易分开,如果铝楔经辐照后比较热,可以让其冷却几分钟。

GEX B3110能量铝楔卡阵列专门设计用于和铝楔一起使用。请参考B3110产品插页和任何解释如何使用该产品的补充说明程序。

### 维护:

经常使用软布蘸水将铝楔擦拭干净,再用干布擦干。

### 参考资料:

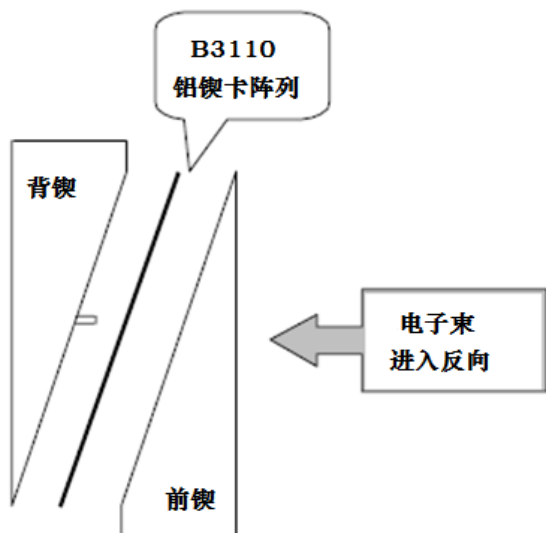
ISO/ASTM 51649 能量介于300 keV至25MeV的电子束工厂辐射加工剂量标准。

### 注意:

铝楔重且有锐边,需小心处理一方跌落。如果跌落的话,销子可能会弯曲、损坏或脱落。

遵循标准作业程序在测量前对辐照变色剂量计进行热处理,或在测量前等待标准的时间间隔。

使用吸光度或响应值而不是计算得到的剂量值绘制曲线将导致能量计算值的错误。确定电子束能量的深度剂量法要求使用剂量还取得合适的能量值。更多信息请参考上面提到的参考资料或联系GEX公司。





## P4701 RISØ 能量测试铝楔

技术和使用信息

### Description:

This aluminum wedge was manufactured to the specifications of the High Dose Reference Laboratory at Denmark's Risø National Laboratory. It should be used to measure energies between approximately 2 MeV and 20 MeV. Each wedge is tested and certified by Risø in a 10 MeV electron accelerator.

### Usage:

The aluminum wedge may be used in either a horizontal or vertical orientation. The wedge must always be perpendicular to the electron beam. The wedge should be mounted in a consistent fashion and irradiated under standard process conditions to maintain continuity of results.

Gently pry open the two halves of the wedge. Do not twist the pieces apart as this could break the alignment pins on the wedge. The wedge opens easiest when it is at room temperature. If it is hot from the irradiator, cool it for a few minutes.

The GEX B3110 Energy Wedge Card Array was custom-designed to operate with the aluminum wedge. Please see the B3110 product insert and any supplemental procedures for instruction on how to use this product with the wedge.

### Maintenance:

Wipe the wedge clean occasionally with a soft cloth moistened with water, then to wipe with a dry cloth.

### References:

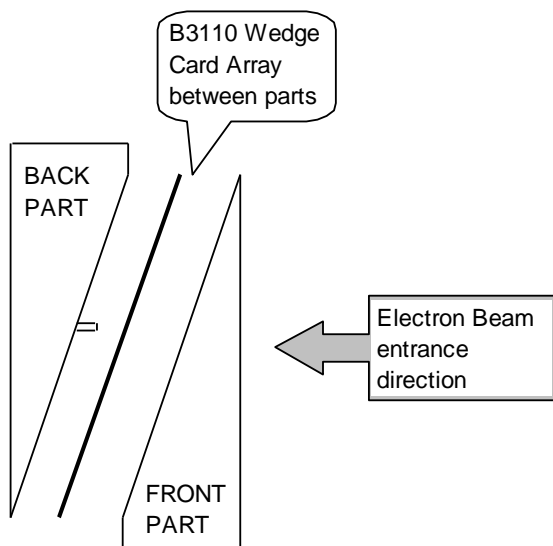
ISO/ASTM 51649 Standard for Dosimetry in an Electron Beam Facility for Radiation Processing at Energies Between 300 keV and 25MeV.

### Cautions:

The wedge is heavy and has sharp edges, and should be handled with care to avoid dropping. The pins can bend, break or dislodge if the wedge is dropped.

Follow standard practice for heat-treatment of radiochromic film prior to measurement or follow a standard time interval waiting period before measurement of dosimeters.

Plotting absorbencies or response values instead of calculated dose values will lead to errors in the energy calculations. The Depth Dose method for determining electron beam energy requires the use of dose to achieve the proper energy value. For more information see the Reference above or contact GEX Corporation.



©2002 GEX Corporation. B3WINdose is a trademark of GEX Corporation.

尚帕信息科技(上海)有限公司 GEX 公司在中国地区总代理 [www.sunplume.com](http://www.sunplume.com)  
电话: 18616790365 E-Mail: [info@sunplume.com](mailto:info@sunplume.com)