

Subject: Re: Prototype scintillator Quote

From: per wiklund <per.wiklund@scint-x.com>

Date: Tue, 30 Jun 2009 10:18:05 +0200

To: Antonino Miceli <amiceli@aps.anl.gov>

CC: Timothy Madden <tmadden@aps.anl.gov>, almer@aps.anl.gov, Anna Sahlholm <anna.sahlholm@scint-x.com>

hello Nino,

if you are OK with a "dental version" we can provide you with a sample.

We are prepared to give you a discount if you buy two samples, price per sample would then be 3 000 Euro (instead of 4 500 Euro).

I enclose a formal quotation.

Sample specifications:

Active area: 16x24 mm

Physical size: 20x28mm (c:a)

Scintillator layer thickness: 200 um.

Scintillator material: CsI[Tl]

Pore spacing: 26um (hex.structure)

Resolution and MTF characteristics: Please see enclosed paper. (MTF characteristics for the 26um hexagonal pore spacing would be close to the 20um square structures)

A polymer coating process for passivation is under development. However, the scintillator material is effectively encapsulated in the silicon matrix, why the performance is not affected over time.

We believe this sample should be appropriate for conducting initial testing.

The "consortium with researchers" proposal has so far received a few positive answers. At this time, we need more input in order to get started.

best regards//per

Per Wiklund

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Antonino Miceli skrev:

Hello Per,

Tim Madden told me that he might be buying a prototype scintillator as well. Is there a discount if order 2?

Thanks,

Nino

Antonino Miceli wrote:

Hello Per,

My colleague (Tim Madden) informed us that you have prototype scintillators available. We are interested in purchasing one for use at synchrotron at Argonne. We will likely coupled it to a CCD with a fiber-optic taper. Can you provide us with a formal quote and also detailed specifications (e.g., thickness of scintillator layer (CsI?), pore spacing, etc.)? Is the 20 lp/mm correct? We want to understand what we are getting? Has the CsI been sealed in someway, since it is hygroscopic?

Is it doped with Tl or Na?

We are also curious what the status of the "consortium with researchers" is. I believe Jon Almer has been contact with you from Argonne.

Thanks,
Nino

hello Tim,
thanks for your call!
we are still doing prototypes, commercial products for dental applications will be available during 2010.
We could prepare a dental application type sample for you. Active area is 16x24 mm, physical size approx. 20x28mm.
MTF characteristics are "excellent" compared to a standard scintillator and resolution capability is "well above 20 lp/mm".
If you are interested we would charge 4 500 Euro for a prototype, plus freight costs.
We should be able to ship within two weeks.

best regards//per

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