

Re: Zeiss Universal Or Leitz Othoplan...Which One Would You Buy?

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Source: <http://sci.tech-archive.net/Archive/sci.techniques.microscopy/2007-10/msg00088.html>

- *From:* Too_Many_Tools <too_many_tools@xxxxxxxx>
 - *Date:* Sat, 27 Oct 2007 11:54:52 -0700
-

On Oct 27, 8:30 am, Kevin Cunningham <sms...@xxxxxxxxxxxxxxxx> wrote:

On Oct 26, 9:34 pm, Too_Many_Tools <too_many_to...@xxxxxxxx> wrote:

On Oct 26, 3:22 pm, Kevin Cunningham <sms...@xxxxxxxxxxxxxxxx> wrote:

On Oct 26, 3:05 pm, Too_Many_Tools
<too_many_to...@xxxxxxxx> wrote:

On Oct 20, 9:32 pm, Too_Many_Tools
<too_many_to...@xxxxxxxx> wrote:

I have an opportunity of
buying either a Zeiss
Universal or a Leitz
Othoplan.

Which one would you buy
and why?

I have been searching for
information for both scopes
and have found

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very little.

Any suggestions as to where one can find more information on these scopes?

Also...how easy and affordable are other lighting options (phase, DIC, fluorescence, polarized light) to find for these scopes considering that they are older scopes?

Thanks

TMT

Okay...it is starting to look like getting accessories for the Orthoplan...or for that fact any Leitz is a major pain.

And of course no documentation has surfaced for the Orthoplan.

Could someone who knows tell me what options were available for the Orthoplan?

Like what eyepieces, objectives, condensers and lighting options.

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And if you know something on how DIC was implemented, I would like to hear about that too....there is nothing out on the Web. It would be interesting to see how Leitz approached that application versus Zeiss.

Thanks

TMT

First every possible thing you could add to a microscope was available for this 'scope. Beautiful NPL fluorite objectives, apos, really nice eyepieces, etc. However Nomarski wasn't, they used a system called Smith T, it worked similarly but it was a pain to add. The genius of Nomarski was its simplicity. Smith T works but it is more complex. Fluorescence was gorgeous. Of course the original filters probably won't work or work well, replace them with

Thanks,

Kevin Cunningham
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Thanks Kevin for the information.

I will look into the Smith T.

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I see that the Orthoplan uses larger eyepieces than what I am used to seeing...30mm?

Can this scope use other maker's stereo eyepieces?

TMT

Just in general you should never, ever do that, you don't know were they've been. No, but eyepieces are a part of the 160mm tube length system. Since Abbe's time some makers have fixed some optical problems in the eyepiece and some in the objective. This is purely a manufacturers decision. Its far, far better to get the manufacturers eyepieces.

Thanks,

Kevin Cunningham
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– Show quoted text –

Understood....that has been what I have learned also.

Other than knowing the model number of the eyepieces that were meant for a scope, how else can one tell that you have the proper eyepieces?

And without proper documentation which is usually the pricing list, you don't have the model number.

And of course part of my previous discussion has been not being able to find documentation.

Now my kids know why I am losing my hair. ;<)

In reality, I have seen numerous scopes using different eyepieces than what the manufacturer meant for them.

Some work..kind of ;<)...and some don't work...and then the user blames the manufacturer for a faulty product.

Has anyone ever formulated a rule of thumb of whose do work and whose do not?

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I also note that the Orthoplan I have been offered is a 170mm tube length.

I assume that there are 160mm and 170mm versions of the Orthoplan considering that length of production and that Leitz changed from 170mm to 160mm tube length?

Another question...I was just looking at an Ortholux II and noticed that the objective turret looks similar to the Orthoplan objective turret...are they interchangeable? (Again keeping in mind the 160mm/170mm issue.)

TMT

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