

# Alpy 600 Removing IR-cut filter



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### 1 Introduction

The first batch of Alpy 600 spectroscope includes an IR-cut filter.

With the first customer feedback, it appears that this filter adds some defects in the flat profile.

We decided to remove this IR-cut from the production units, to correct this issue.

The effect of the IR-cut removal is that the spectrum is not cut anymore at 750nm, and continues up to infra-red (IR) wavelengths.

### 2 IR-cut removal kit

The kit contains the threaded ring and a tool (spanner wrench):



### 3 Procedure

First, put the Alpy 600 on a table, like on this picture :



Remove the slit holder :



Remove the IR-cut filter ring with the spanner wrench :



Take care to not return the assembly : the Alpy 600 collimator lens would fall down on the table.  
Replace the filter ring by the empty ring:



Tighten gently. Note that the ring is tightened against the Alpy 600 body - the collimator lens is under low pressure by a spring. There is no risk to damage the lens by tightening the ring.

Mount back the slit holder :



The modification is done.

End of the document.