

Overview

The Objective of our project is the design of espectoradiometer miniaturized of low consumption, to characterize any type of atmosphere optimal.

Concretely we left from of an old design that was elaborated with a sensor of the house Hamamatsu Photonics of tecnologia CMOS model S5463. A to divide of here we will elaborate the new project with the new sensor Hamamatsu S8378 and microcontroller PIC18F452.

We will be based on the philosophy of the ancient project and will take advantage of the former code of the PIC as far as is possible ,also that we will modify Matlab's graphical environment to be able to acquire, store and represent the samples of the new sensor.

The work is constructed In parts, so that in last instance they could connected them. Hereby if one of the parts there is problem of design it was not affecting