



1. Frequency control of industrial ventilators

Ventilators for industrial purposes should be frequency checked. Furthermore the direction of rotation should be controlled. For this purpose two contrast sensors type **SPECTRO-1-500-COF-10x10-UV** are used. At this, the distance from the sensors to the object is approximately 500mm. The spot size at this distance is around 10mm x 10mm. On one of the blades of the fan a fluorescent paper label will be placed, thus the contrast sensors detect this label during the rotation of the ventilator and deliver the information about the frequency of the fan. The frequency as well as the direction of rotation can be properly detected as shown in the screen shots.

