



1. Fluorescent glue strip detection on a plastic bag

A glue strip, which becomes fluorescent in the presence of UV – light, should be detected on a plastic bag. At this, the glue strip is covered with a transparent plastic film. For this purpose, a color sensor type **SPECTRO-3-FIO-UV** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-Y-22°/67°-UV**, an optical front end type **KL-8-R2.1** and an UV-LED unit type **ELS-UV-1P** are used. The distance from the front end to the glue strip is approximately 15mm; the spot size at this distance is around 10mm x 2mm and the front end is tilted 10° to the vertical axis. The glue strip can be proper detected, as shown in the screen shots.

