



1. Thickness control of a thin layer on a transparent plastic film

The thickness of a thin layer on a transparent plastic film should be measured. To measure the transmission with a through beam system seems to be an adequate method to determine the thickness of a thin layer. For this purpose a color sensor type **SPECTRO-3-SLU-SA-JR** in connection with a side light unit type **SI-SLU-16** will be used. The distance of the receiver (color sensor) to the plastic film is approximately 15mm and the distance of the transmitter (side light unit) to the thin layer is around 20mm. Transmitter and receiver are arranged at the opposite side, respectively. The intensity INT is a value which informs about the thickness of the thin layer as shown in the screen shots.

