



1. Color differentiation of control elements in the automotive interior field

During the assembling process of the control elements into the dashboard, into the car side doors or into the headliner the color must be controlled. Mostly for the housing of the control elements the same lacquer will be used as for the bodywork, which means that we have to do with very glossy colors. To suppress this glossy effect a color sensor type **SPECTRO-3-FIO-CL** in connection with an optical fiber type **R-S-A2.0-(2.5)-1200-67°** and an optical frontend type **KL-M18-A2.0** will be used. The distance from the sensor to the object is around 25 mm and the white light spot size at this distance is approximately 4 mm. As shown in the screenshots, there is a proper differentiation of the different control elements possible.

