



1. Color control of flames

The color of a flame should be controlled. For this purpose a color sensor type **SPECTRO-3 FIO-JR** in connection with an optical fiber type **R-S-A3.0-(3.0)-1200-67°** and an optical frontend type **KL-M18-A3.0** is used. At this, the distance from the optical frontend to the object is approximately 40mm and the detecting range at this distance is around 5mm in diameter. The color of the flame can be proper detected as shown in the screenshots.

