

1. Fluorescence color sensor type SPECTRO-3-FIO-UV/VIS-JR

The fluorescence color sensor **SPECTRO-3-FIO-UV/VIS-JR** is using ultra-bright UV LED. The UV light will be converted from a suitable object into the visible wavelength range, but only the light above 450nm will be used at the receiver side. The color sensor will be used in connection with an optical fiber type **R-S-A3.0(3.0)-1200-22°-UV** and an optical frontend type **KL-9-A3.0**. Normally the efficiency of the fluorescence material is sometimes (e.g. oil) very weak, thus a high amplification with a strong optical filtering is required from the sensor side. Due to the power consumption of the bright UV LED, a side heat sink is provided.

