



1. Frequency control of electric motors

The frequency of electric motors should be controlled. For this purpose, a contrast sensor type **SPECTRO-1-FIO** in connection with an optical fiber type **R-S-R1.1-(3x0.5)-1200-67°** and an optical frontend type **KL-5-R1.1** is used. At this, the distance from the optical frontend to the anchor is approximately 15mm and the spot size at this distance is around 3mm x 0.5mm. The frequency of the electric motor can be properly measured as shown in the screen shots.

