



1. Paper edge position control

The position of the edge of a paper line must be controlled in a range of 50 mm. The system should deliver an analogue signal (0V ... +10V) which is proportional to the position of the edge of the paper. For the investigations the **L-LAS-TB-50-T/R** with a laser light curtain of 50 mm length is used. The width of the laser light curtain is around 10 mm. The receiver comes with an entrance aperture of 50 mm x 0.5 mm and an interference filter avoids any influences from ambient light. The resolution of the system is about 15 µm and the scan frequency is 600 Hz. As shown in the screen shots, the edge of the paper line can be properly detected.

