



1. Position monitoring of a rubber plug before the final positioning in a syringe

The position of a rubber plug should be controlled with regard to the outer face and inner surface. For this purpose a laser displacement sensor type **L-LAS-LT-60-CL-V4A** is used. The sensor can be used for white to black rubber plugs. Due to the small angle between the optical axis of the transmitter and the receiver of roughly 10° even small holes can be proper detected as shown in the screen shots. At this, the distance of the sensor to the upper surface of the rubber plug is approximately 71mm.

