



1. Distance measurement onto an aluminum ground surface

The distance to an aluminum ground surface should be measured. At this, the grinding is extremely angle-dependent and thus, the consequences in using a laser displacement sensor are that the reflectivity is strongly angle-dependent, too. For this purpose, a laser displacement sensor type **L-LAS-LT-135** is used and the distance of the laser sensor to the aluminum plate is approximately 160mm. As shown in the screen shots, the distance can be measured properly, nearly independent of the angle direction.

