



1. Differentiation of different colored plastic parts with different number of bars

Plastic parts with four (the bar located in the middle is shorter) and five long bars must be distinguished independent of the color. Next to the short bar there is a blind hole with a depth of approximately 10 mm. For this application a laser displacement sensor type **L-LAS-LT-250-CL** was used. Due to the small angle between the optical axis of the transmitter and the receiver, a proper signal was always received, even if the laser spot dipped into the blind hole. The laser power control mode of the L-LAS-LT software L-LAS-LT-Scope has compensated the intensity difference of the three different colors. As shown in the screenshots, a proper differentiation between the parts with the blind hole and without the blind hole is possible.

