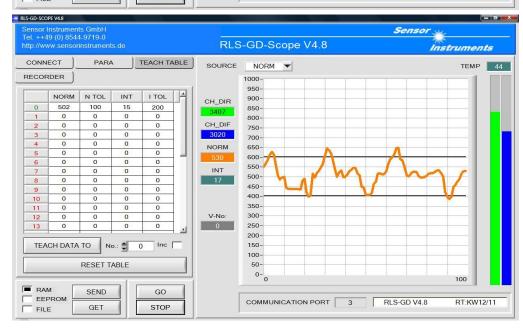## 1. Detection of machining marks on bimetallic strips of slide bearings

Chatter marks on slide bearing stripes should be detected immediately before the grinding process. At this, the surface of the slide bearing stripes is slightly different from batch to batch. For this purpose a control unit type **RLS-MD-2-FIO** (formerly RLS-MD-2-LWL) in connection with two optical fibers type **R-S-R2.1-(6x1)-1200-67°** are used. The distance of the optical fiber head to the metal surface is approximately 8mm. At this, the two optical fiber

heads are arranged consecutively at a distance of around 15mm. The software is evaluating the relative signal difference between the optical fiber heads. In presence of the machining marks, the relative signal difference is increasing and exceeds the adjusted software thresholds, which causes a signal change at the digital output.
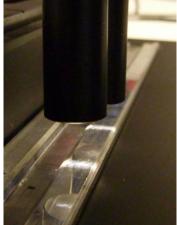

GOOD BAD