

Application - News N°274 RLS-MD series

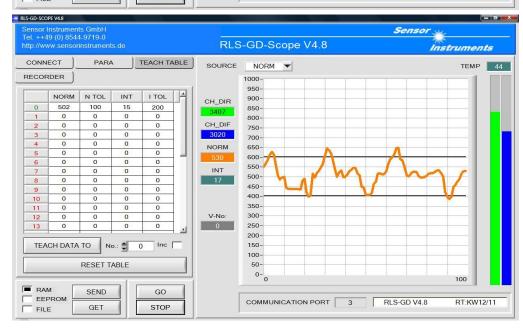
1. Detection of machining marks on bimetallic strips of slide bearings

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.

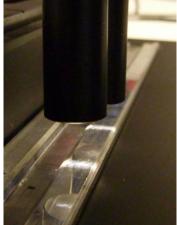
RLS-GD-SCOPE V4.8 Sensor ++49 (0) 8544-9719-0 RLS-GD-Scope V4.8 Instruments PARA CONNECT SOURCE NORM -TEMP 44 RECORDER 1000-950-I TOL NORM N TOL INT 900-CH_DIR 502 100 15 200 0 850-1 0 0 0 800-0 CH_DIF 0 0 0 0 2 750-302 0 3 0 0 0 700-0 0 0 0 NORM 650-5 600 6 0 0 0 0 550-INT 7 500-8 0 0 0 0 450-0 0 0 0 9 400-10 0 0 0 0 350-11 0 0 0 0 300-V-No 12 0 0 0 0 0 0 0 0 0 250-13 200-TEACH DATA TO No.: 4 0 Inc 150-100-RESET TABLE 50-0-0 100 BAM SEND GO EEPRON COMMUNICATION PORT 3 RLS-GD V4.8 RT:KW12/11 FILE STOP GET













Instruments