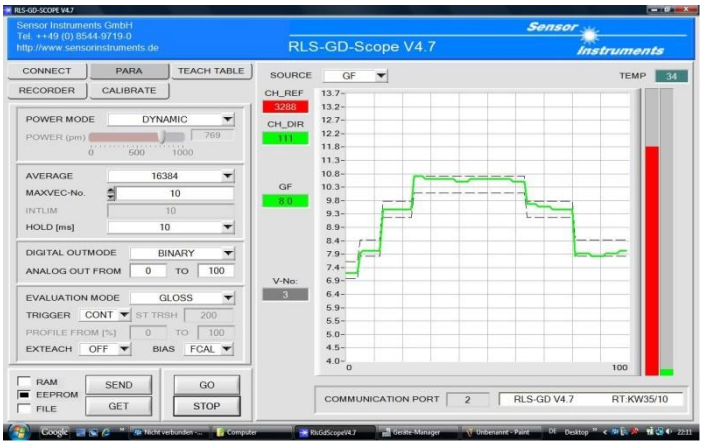
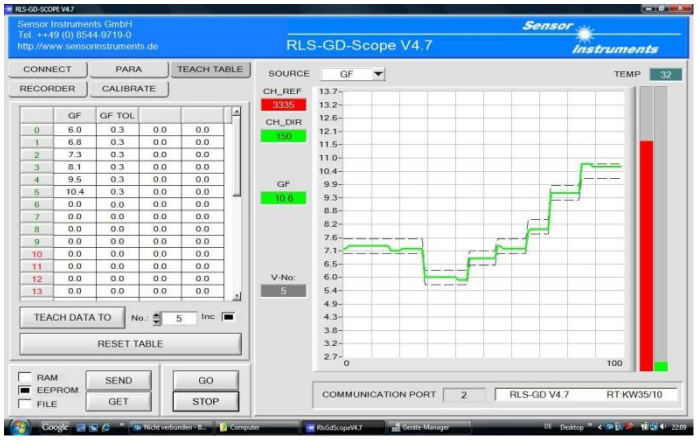
Application - News

N°87 RLS-GD series

Sensor Instruments — Let's make sensors more individual

1. Inline gloss measurement on abrasive belts

The gloss factor is a significant parameter for the surface quality, the roughness, of an abrasive belt. Typical gloss values are between a GF of 0.1 and a GF of 5. Thus a special set of calibration shells is available to adjust the gloss sensor especially for abrasive surface measurements (spread out the GF 0.1 to 5 to a GF* from roughly 1 to 50). The sensor delivers an analog signal, which is proportional to the gloss factor. Furthermore up to 31 different products can be stored, each with an individual tolerance window; at this a quality control of one product surface in 31 individual steps is also possible, five digital outputs are available for this task. For data monitoring the **RLS-GD-Monitoring** software can be used, which allows to store additionally to the gloss factor the order number, date, time, operator name, line number as well as the product number. The distance from the sensor **RLS-GD-15/60°** to the product surface is approximately 15 mm. As shown in the screen shots, there is a proper differentiation between different products as well as a quality control of one product possible.