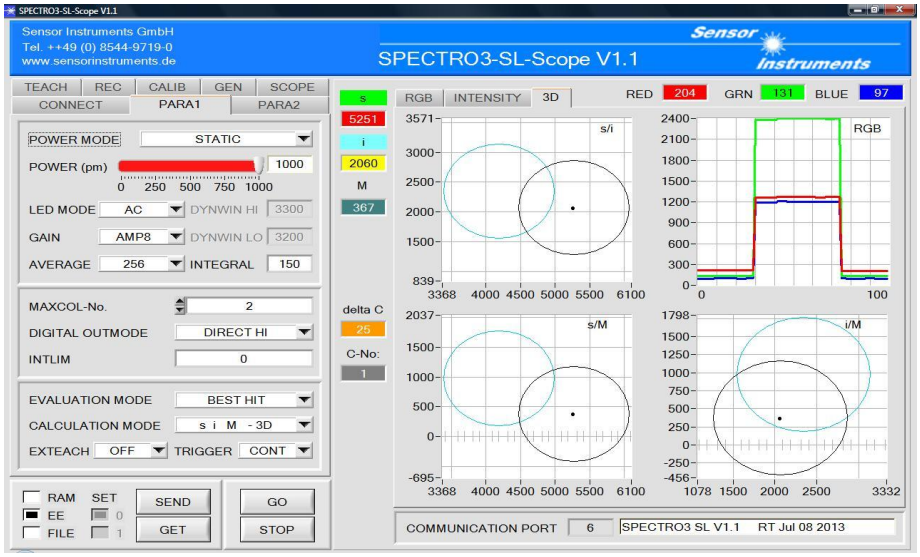
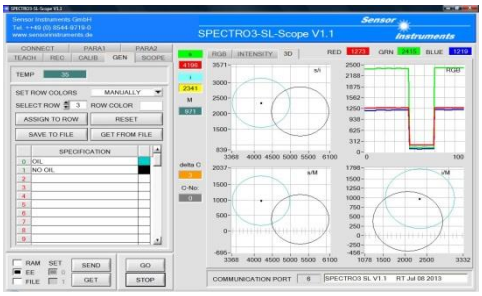
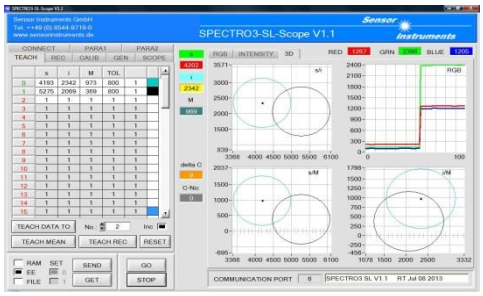
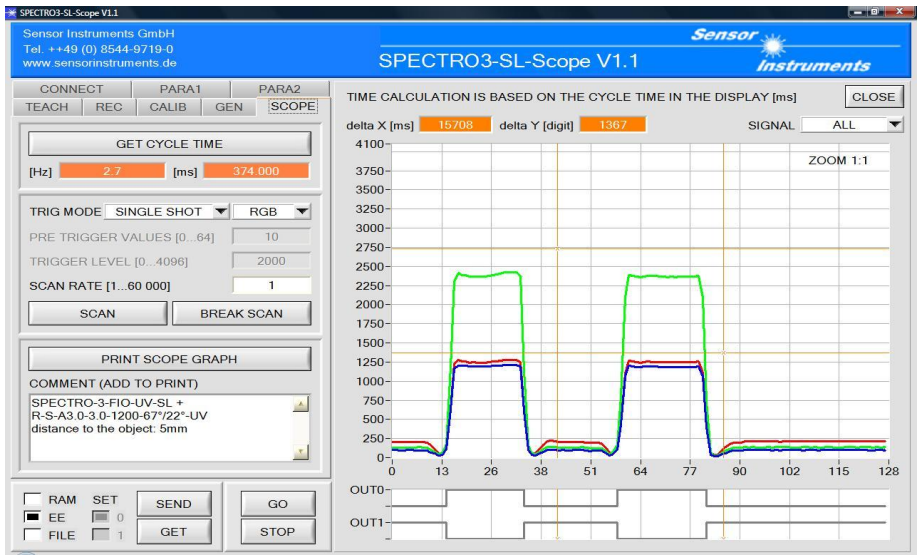
Application - News

N°463 SPECTRO-3 series

Sensor Instruments — Let's make sensors more individual

1. Oil presence control in metal screw nuts and screws

The presence and amount of oil in a screw nut as well as in a screw should be detected. For this purpose a color sensor type **SPECTRO-3-FIO-UV-SL** in connection with an optical fiber type **R-S-A3.0-(3.0)-1200-/22°/67°-UV** will be used. At this, the distance of the optical fiber to the thread is approximately 5mm and the spot size at this distance is around 5mm in diameter. The presence and amount of oil can be proper detected as shown in the screen shots.