

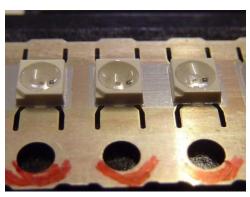
Sensor Let's make sensors more individual

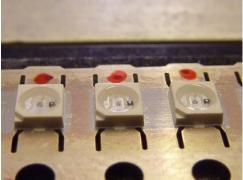
N°260 SPECTRO-1 series

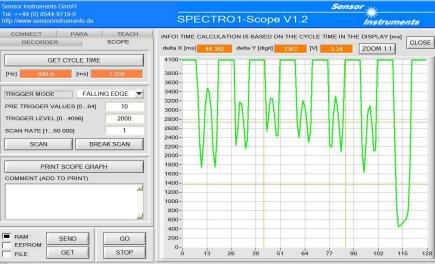


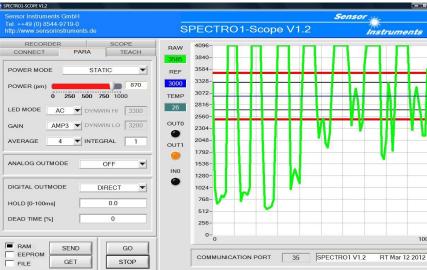
1. Underfilling control of SMD LEDs

The level of transparent casting compound in SMD LEDs should be controlled with a view to underfilling. For this purpose a contrast sensor type **SPECTRO-1-FIO** in connection with an optical through beam fiber type D-S-A2.0-(2.5)-1200-67° and an optical front end type KL-3, which is connected at the transmitter side, are used. The optical fiber head at the receiver side is arranged under an angle of -60° to the vertical axis and the KL-3 under an angle of +60° to the vertical axis. The distance of the optical fiber receiver head to the SMD LED is around 15mm, whereas the distance of the KL-3 frontend to the object is approximately 11mm. The spot size at this distance is about 1mm in diameter. A proper detection of underfilling of the transparent casting compound is possible, as shown in the screen shots.

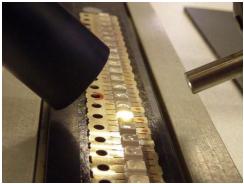












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