



Application - News

N°188 SPECTRO-3 series

Sensor Instruments *Let's make sensors more individual*

1. Inline color control of insulated cables

During the production the color of a plastic insulation should be controlled (e.g. brown and red insulated cables). At this the gloss of the plastic surface can be changing due to temperature and humidity changes. Therefore a sensor should be used which is independent of the gloss of the surface. For this purpose a color sensor type **SPECTRO-3-5-DIF-JR** is used. The distance from the sensor to the cable is approximately 6mm. Due to the diffuse light of the transmitter and the small aperture at the receiver side of the color sensor only the diffuse reflected light can pass the color detector. Thus a proper recognition of the color of the cable is possible, as shown on the screen shots.

