

# Press Release 1/2006

SNT Sensortechnik AG, 8153 Rümlang (Schweiz)

## Rugged optical proximity switch for glass fiber wave guides

The optical proximity switch for glass fiber wave guides type OPD is the basic electronics for all fiber-optic cables of the types FOY (scanner) and FOI (barriers) of SNT Sensortechnik AG. It completes the well known OPE series with higher light energy, faster switching speed and higher precision thanks to teach-in programming. Optical wave guide sensors are ideally suited when small objects have to be detected in confine conditions. The (bigger) sensor is separated from the small scanner head. Glass-fiber wave guides are more robust and have longer service life compared to plastic guides. The proximity switch OPD is a sensor which fits to the glass fiber wave guides of SNT Sensortechnik AG. The guide is mounted with an appropriate nut on the thread of the sensor. The O-ring seal makes it a fully tight connection.

The type OPD can also be operated stand alone as an optical proximity switch. It reaches very high detection distances and is suited therefore also for long and thin wave guides. Thanks to clocked infrared light, it is not sensitive to ambient light. The electronics is built in a very robust metal housing. The OPD together with the SNT glass fiber wave guides is a very robust detection device for smallest parts under difficult conditions. The switching distance can be taught by teach-in keys or by an external signal. Moreover it can be readjusted manually by the same keys if necessary. The setting as NO or NC is done by keys as well.

SNT Sensortechnik AG is a specialist in ultrasonic and optical sensors for more than 20 years.



*OPD light wave guides proximity switch*