

## Press Release 2/2004

SNT Sensortechnik AG, CH-8153 Rümlang (Switzerland)

### Powerful and fast ultrasonic barrier

Ultrasonic sensors are perfectly suited for detection of objects with very different surfaces and under bad environmental conditions (dust, dirt, fog, bright light). A disadvantage is their relatively low measuring speed, caused by the slow speed of sound compared e.g. to the speed of light. Moreover the so called blind range of ultrasonic scanner type sensors (transmitter and receiver in the same sensor) might be sometimes a disadvantage, too.

Those disadvantages are eliminated with the new UPB ultrasonic barrier of SNT Sensortechnik AG. In the same way as with a light barrier, the full range of max. 1500mm between transmitter and receiver can be used. There is no blind range. The measuring speed of 200Hz is very high as well. Contrary to light barriers the ultrasonic barrier works also at strong contamination and with transparent objects. All sensors of SNT Sensortechnik AG are 100% waterproof according to IP67. The microprocessor controlled UPB series combines high acoustic power with small size. This is achieved with new optimized acoustic SONARANGE transducers working at high electrical voltages. The high measuring speed combined with the very large measuring range of 1500mm are the outstanding characteristics of the UPB ultrasonic barrier. A further special feature is the adjustable transmitter power (5...100%), enabling the barrier to be used in a very wide range of applications. SNT Sensortechnik AG is a specialist in ultrasonic sensors for more than 20 years.



*UPB ultrasonic barrier*

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