

Press Release 2/2005

SNT Sensortechnik AG, CH-8153 Rumlang (Switzerland)

Ultrasonic fork barrier for edge detection

The edge sensor Type UPF 30 is an ultrasonic barrier with separated transmitter and receiver. It is suited for edge detection on web guiding systems. In contrast to conventional barriers it does not offer a simple on/off output signal, but it measures the degree of covering of the ultrasonic receiver as an analogue output signal. If the receiver is fully covered, the output is 0V and if not covered at all 10V. The result is a considerably higher accuracy of positioning of <1mm. The ultrasonic barrier is much less sensitive to dust and dirt compared to optical systems. Furthermore transparent webs (e.g. foils) can be perfectly detected with ultrasound.

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



UPF ultrasonic fork barrier