

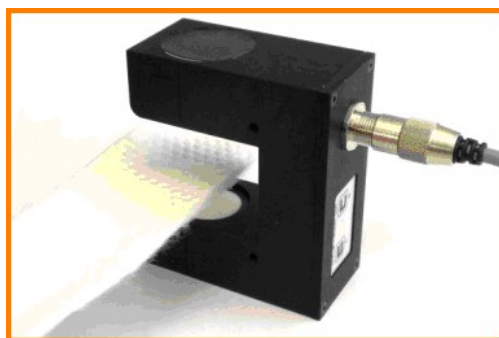


Ultrasonic sensors for quality testing of fleece

Fleece is a nonwoven fabric of individual fibers. It consists of loose fibers, which are not linked. The strength of a fleece is based only on the fiber's own adhesion, but it can be influenced by further processing. To be able to handle and use the fleece, it must be reinforced, for which various methods can be applied. Nonwoven fabrics are used for example in various hygiene articles.

To control the desired compression of the material in production one can measure its sound permeability. The denser the material, the more impermeable it is for sound. With the **ultrasonic fork sensors** type [UBA-A](#) of WayCon good and reproducible results are achieved. The [sensor](#) output is directly an analogue signal which is a function of the acoustic permeability of the fabric which passes between the transmitter and receiver of the sensor. The sensor is very fast, thus it works even with fast moving material webs.

- **Ultrasonic fork barrier with analogue output 0...10V**
- **The analogue signal is a function of lateral covering**
- **For edge control and web guidance systems**
- **For contaminated air**
- **High accuracy and temperature stability**
- **High detection width**
- **Small plane change error**
- **High sampling rate**
- **Teach-In**



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