

Sheet-doubling detection in printing machines

The sensor is placed in the pull-mark device of a printing machine, where it indirectly measures the thickness of the paper sheet to be printed by way of a movable measuring tag. The respective distance between sensor and measuring tag is a measure for the thickness of the paper sheet. This means that the system can detect whether there is one or more sheets in the pull-mark device.

Technical details

- Measuring range: 0.4 to 1.6 mm or 0.8 to 2.8 mm
- Accuracy: 20 μm
- Resolution: 2 μm or 4 μm
- Band width: 0 - 500 Hz

Ambient conditions

- Temperature: 0 - 60 °C
- Medium: air

System configuration Series DBS59

- DBS59.05 or DBS59.06
- displacement measuring system
- D2F - displacement sensor

Reasons for system selection

- Eddy-current systems also function in case of pollution due to paper dust
- Sturdy sensors
- Linear output signal
- High thermal stability

