

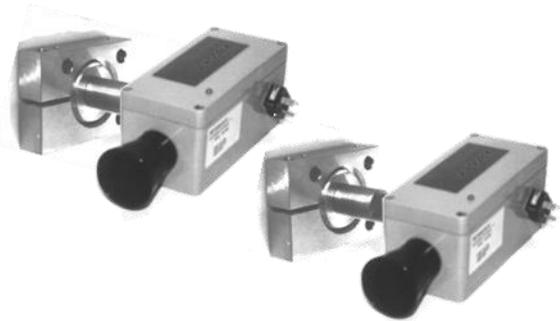
SensoWeb „LB“

Web break detection in free draw position outside drying group

SensoWeb “LB” is special clever solution for web break detection at very narrow free draw (or open run) positions in lower temperature areas.

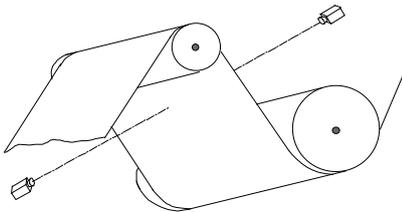
Technically spoken it’s a high performance light barrier which features high withstand against pollution, thanks to:

- high sensing range (30m): enabling high pollution reserve and generous operating distances
- unfocussed IR light beam: pollution particles do not interrupt the light beam for long times
- function not dependent from any reflector device
- unaffected by neighbouring objects, usable even when only tiny chasms given for light beam
- very clear working principle: light beam is either interrupted (paper) or not (web break) and is not influenced by reflection of adjacent machine parts



Thus SensoWeb “LB” offers an interesting alternative to often used reflector based sensor does not know their common problems with reflector pollution or deterioration! And compared to standard sensors from mass production it provides higher runnability and long term reliability.

Application:



SensoWeb “LB” is installed in free draw (open run) positions only where temperatures are below 60° C.

Typical applications are after press/size press, before pope roller, at calendar, etc.

Transmitter and receiver are mounted opposite to each other on each side of the paper machine in that way that a direct sight is given between them. The devices may be installed in generous distance to the paper web if necessary (pollution), although it has to be secured that no disruption of the light beam may occur in case of web breaks.

The ball joint brackets allow easy 2,5 D alignment. Thanks to the unfocussed light beam, in most cases it’s sufficient to align transmitter and receiver against each other only by eye.

For situations where strong extraneous light sources may occur, SensoWeb “LB-02” is recommended which will be unaffected by these.

The components of SensoWeb “LB” include the transmitter, the receiver, both with mounting frame and ball joint bracket for easy physical alignment.

No dependence from reflectors, suitable already at minimal sensing chasms, extreme withstand against vapour and pollution - SensoWeb "LB" is an ideal choice for secure web break detection at tiny free draws outside drying group.

Technical Data:

Sensor type:	SensoWeb "LB-01": transmitter: FSP30-6-S-xx-xx receiver: FSP30-6-S-xx-xx SensoWeb "LB-02": transmitter: FSP30-7-S-xx-xx receiver: FSP30-6-7-xx-xx <i>(for further configuration details see table below)</i>
light source:	infrared, unfocussed
sensing distance:	30m
supply power:	24VDC / 115VAC / 230VAC
extraneous light sensitivity:	unaffected (SensoWeb "LB-02")
output signal:	relay switch: paper; 2A/230VAC (others on inquiry)
signal indicators:	transmitter: 2 LED: paper / power receiver: 1 LED: power
protection:	IP 65
connection:	cable connection / plug
temperature:	- 10° ... + 60° C
mounting bracket:	ball joint bracket KG 325 for 2,5 D alignment
optional accessories:	shielded syncro cable (SensoWeb "LB-02")

Product key "FSP 30"

