

SensoWeb „Trian“

Web break detection with background elimination

SensoWeb “Trian” is the choice for web break detection either at open run positions where objects behind the paper web (in less than 2m distance) would distort the detector, or where increased withstand against moisture and pollution is requested. SensoWeb “Trian” offers following advantages:

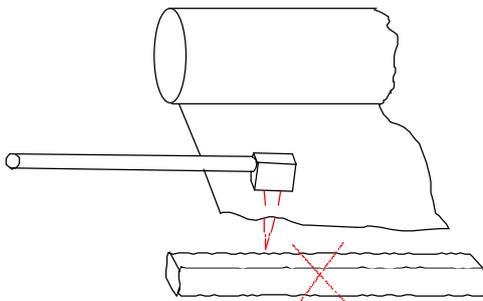
- background elimination (sensing window adjustable)
- high withstand against pollution thanks to cased sensor head and optional air flushing
- length of cantilever up to 1800mm if width of paper web is due to changes



Therefore it is recommended around the press section and also in the drying group when the sensor head may reach into the cylinder range!

The components of SensoWeb “Trian” include a sensor, the air flushable sensor head, a shielded fibre optic cable and mounting brackets for sensor and sensor head. All components are matching our proven heavy duty standards.

Application:



SensoWeb “Trian” can be used either in open run or paper on cylinder situations. Due to its increased withstand against pollution it is commonly applied in positions with high pollution: at the press section or at early positions in the drying group. (Furthermore it can be easily upgraded with air flushing by only leading an air tube into the cantilever.) The feature of background elimination allows application where otherwise objects behind the paper web would distort the sensor because

of its high light energy. The sensing window (ex works 200-800mm) can be easily adjusted to the specific requirements of a position.

Thanks to the fibre optic principle the sensor can be mounted outside the drying hood and does not require cooling. The sensor head is specially designed to deal with the given high pollution, the sensor features optionally an intensity display or an analogue signal (4-20mA) for extended pollution monitoring.

High withstand against high pollution and vapour, no disturbances from nearby objects - SensoWeb “Trian” is the ideal choice for secure web break detection in press section and drying group.

Technical Data:

A) sensor:	FSP60A2-xxx2E ... intensity display FSP60A3-xxx2E ... additional analogue intensity signal FSP60A4-xxx2E ... intensity display and signal <i>(for further configuration details see table below)</i>
light source:	infrared, unfocussed
operating distance:	200 - 700 mm (sensing window 150-800mm)
supply power:	24VDC / 115VAC / 230VAC
extraneous light sensitivity:	unaffected
output signal:	2 relay switch: paper/alarm; 2A/230VAC (others on inquiry) optional analogue signal (4-20mA)
signal indicators:	3 LED: paper / alarm / power optional intensity display
protection:	IP 65
connection:	cable connection / plug
mounting frame:	MR 329
B) fibre optic cable:	CO 12/ ... mm; common length 6/8/10/12/15/20 m; max 25m
C) sensor head:	cantilever "Trian"; length 400/800/1200/1800 mm; air flushable if requested; background elimination adjustable (window ex work 150-800mm) fixed in mounting plate MP 150
ambient temperature:	sensor: - 10° ... + 50° C sensor head: up to +300°C
optional accessories:	<ul style="list-style-type: none"> • i-bar bracket (heights 128-200mm / 200-340mm/340-600mm) • Intensitester: mobile intensity measurement device for service and occasional pollution control

Product key "FSP 60"

