

SensoWeb „Edge“ – Strip-Edge-Monitoring in high temperature areas

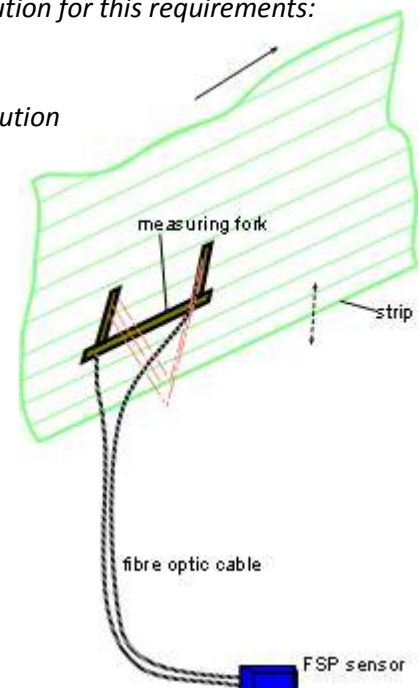
Exact monitoring of the edge of fast endless strips in high temperature area (like the felt of a paper machine) is often not so easy: contacting sensors often wear the strip or get worn themselves, digital non contacting switches do not allow fine tuning of the horizontal oscillation and highly sophisticated measuring system at last do mostly not cope with the heavy environmental conditions of high temperature, moisture, pollution...

The new sensor system „SensoWeb-Edge“ now offers a tailor made solution for this requirements:

- Non contacting
- Thanks to the fibre optic suitable for high temperature and pollution
- Energetic position monitoring instead of digital threshold logic

Measurement principle:

SensoWeb Edge consist of a measurement fork, a heavy duty fibre optic cable with special light profile and a special infrared sensor. The measurement fork gets installed app. 15 cm above the strip (felt) and works according to the reflected light sensing principle. The sensor itself will be installed in less exposed areas and connected to the measurement fork by means of the fibre optic cable.



Data:

Principle	IR-analog sensor
Supply voltage	24 VDC / 230 VAC
Output	4-20 mA
Connection	PG / plug
Switching frequency	15 Hz
Sensing distance	150 - 200 mm
Accuracy	5 mm
Protection	IP 65 (GFK casing)
Fibre optic cable	Silicon version, type 12
Optional:	Optical position monitoring display



Optionally with optical position monitoring display (surcharge)