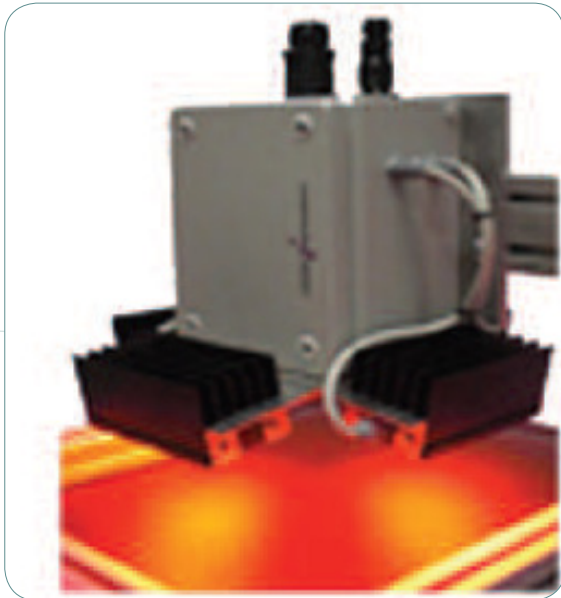


## NOS 200



It is used for the determination of the fiber orientation characteristics of a nonwoven web, online or offline. Since the strength of the non woven material is directly connected to the fiber orientation, the web strength can be derived based on the automatic calculation of the ratio of fibers in machine- and cross direction of the web.

### Specifications

- **Illumination**  
LED lamp(white)  
24 V, 32W
- **Distance optics - object**  
10-50mm
- **Observed image area**  
20 mm x 20 mm
- **Sampling Rate**  
Selectable:  
Max.20 measurements/min  
(option: 60 measurements/min)
- **Web speed**  
max. 80m/min (optional: 300m/min)
- **Ambient temperature**  
10-60°C
- **Relative humidity**  
Max. 90°C, not condensing
- **Protection class**  
IP 64
- **Power Requirements**  
100-240V ~ 60 / 50Hz

### Method

An intensive LED lamp illuminates the web with incident light whereas images are grabbed continuously by a fast CCD-camera. By means of a special algorithm, the fiber orientation is then calculated.