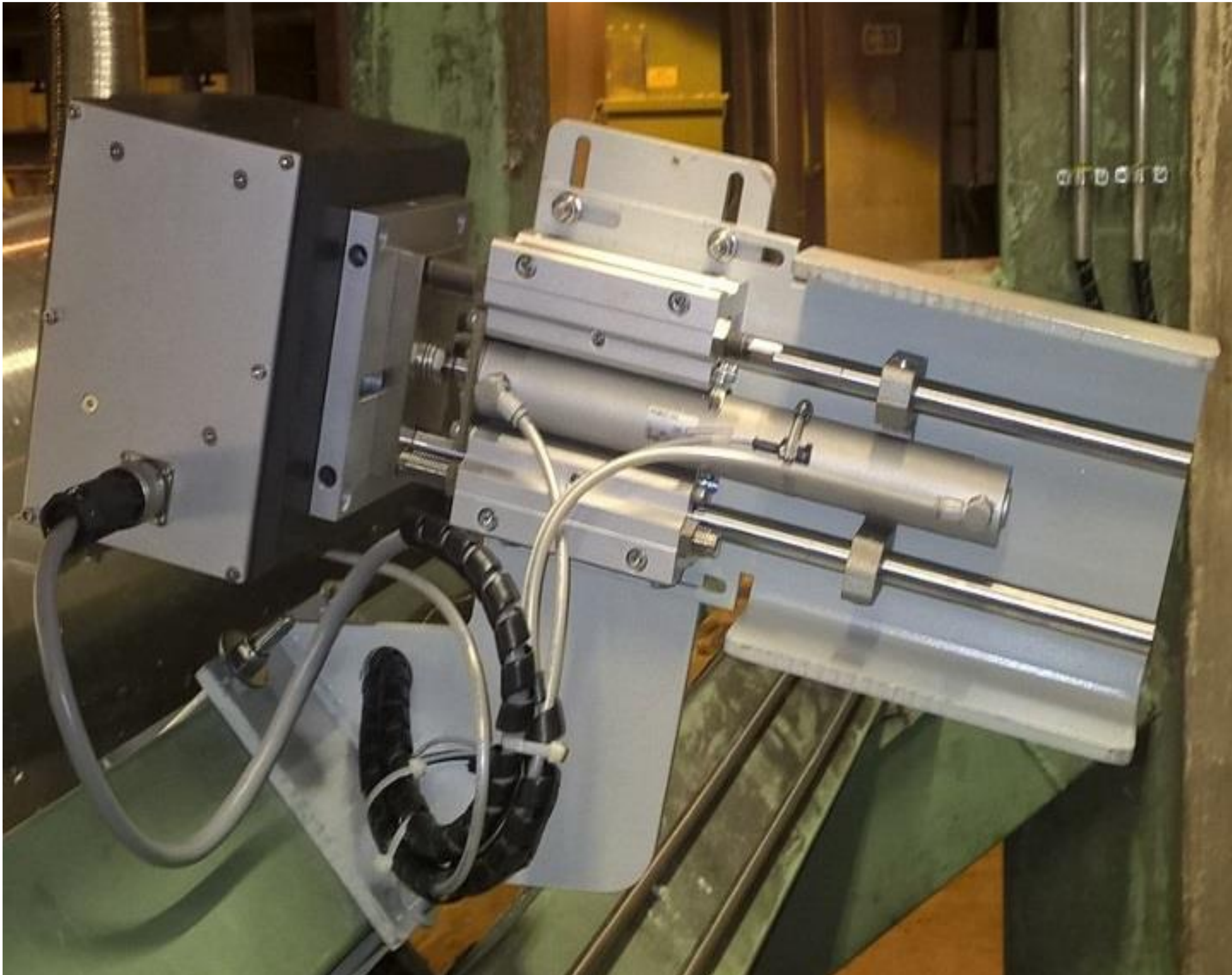


SCIENTA ONLINE BRIGHTNESS SENSOR FOR PULP DRYER APPLICATIONS



- ✓ Wide, dynamic measuring range with fast update rate
- ✓ Single sided, reflective measurement
- ✓ Brightness according to ISO / TAPPI
- ✓ Realtime window into the stock preparation process



MEASURING METHOD

The Scienta LED based sensor model 7280 measures Pulp sheet Brightness in BU units online using a multidirectional receiver setup enabling a fiber orientation independent measuring of the scattered light according to the ISO 2487-1 standard. The LED light source has an extremely long life and thus makes the sensor practically maintenance free. The measurement update frequency is 5 Hz making it well suited for a single point installation.

BENEFITS

to process applications such as pulp drying:

- No radioactive source is required
- Ultra wide measuring range
- Service free construction
- Easy and convenient to install and operate
- Full range of scanners available
- Easy calibration and setup
- More accurate on-line measurements
- Faster on-spec quality and reduced start up waste
- Reduction in rejects due to high performing measurements
- Minimization of energy consumption by accurate and reliable moisture and basis weight measurements and controls
- Machine speeds can be increased on drying limited pulp and paper machines
- New optimizing tool for pulp drying lines

TECHNICAL SPECIFICATIONS

Sensor Type	7280
Construction 1	Single sided
Construction 2	Non Contact
Geometry	0/45 °
Meas Frequency	5 Hz
Light Source	LED 350-850um
Meas Spot Size	4mm diam.
Installation	Scanning/Fixed

Sensor Type	7280
Power Consumption	24 VDC, 0,5 A
Interface Options	Profibus
	Modbus
	Ethernet
	RS-232
	2 x analog
Environmental Conditions	10-60 °C 10-95 % RH