

Optical triggering sensor

RTS-211 Code: 600-2110

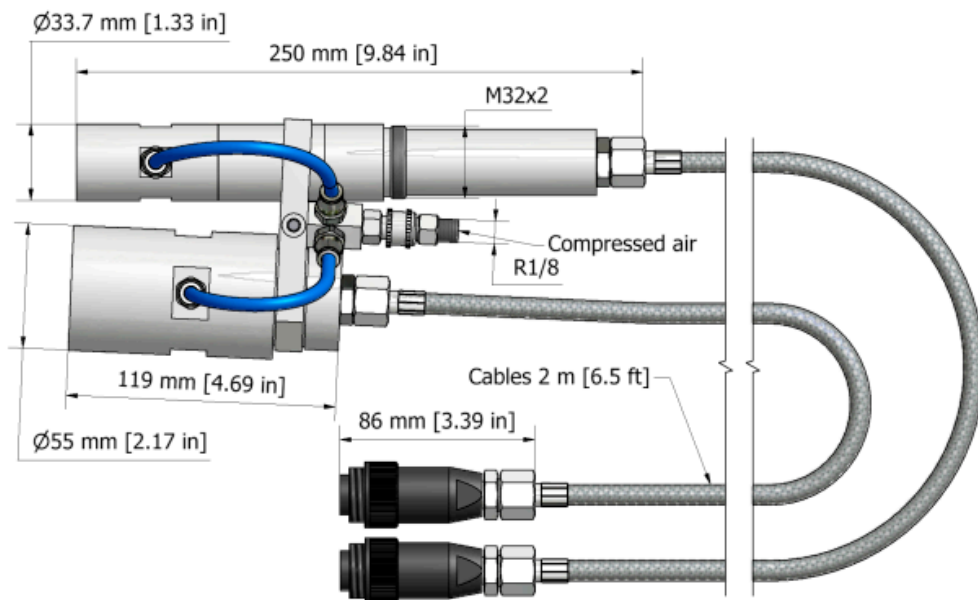
Key features

- Rugged design
- Corrosion resistant
- Long sensing distance
- Air purge option for cleaning of lenses



RTS-211 is an optical felt speed triggering sensor for paper machine runnability monitoring. It detects the press felt trade line by measuring the intensity of reflected light and generates a pulse for each felt

revolution. Pulse signal can be used in synchronized vibration measurements and to calculate felt length in press section runnability analysis applications.



RTS-211 specifications

Dynamic	Measuring distance	600...1 000 mm
	Measuring angle	45...90°
Electrical	Current output	> 4 mA
	Output impedance	300 Ω
	Load impedance	< 600 Ω
	Supply voltage	
	Sensor	+24 VDC ±10%, < 4 mA
Light source	+24 VDC ±10%, 20 W	
Environmental	Operating temperature	0...+60 °C +32...+140 °F
	Storage temperature	-25...+85 °C -13...+185 °F
	Max. vibration	< 50 g
	Sealing	IP 66
	Background light	Direct light to the measurement point should not be used
Physical	Material	
	Sensor	AISI316 or equal
	Light source	AISI316 or equal
	Sensor cable	AISI316/PTFE
	Weight	1.7 kg
	Connector	Circular connectors
Pin 1	Signal/power	
Pin 2	Common	