



CORREVIT® I-CE Sensor

Non-Contact

1-Axis

Optical Sensor

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Slip-Free optical Measurement of the Length and Speed of Fast Moving Structured Strip Material

- Wide speed range – 0.5 to 1800 m/min at high pulse resolution up to 1500 pulses/m.
- Exceptionally high measuring accuracy* – better than 0.1% as a result of precision optical gratings and direct signal processing.
- Compact, robust but lightweight sensor construction with integrated filter electronics and serial interface.
- Programmable standardized analog and digital signal outputs using the latest processor techniques, fast and easy calibration.
- Easy operation and quick installation in production lines, suitable for industrial applications (IP 67) and direct connection to any process controls
- Tested and used under extreme ambient conditions.
- Negligible service and maintenance requirements as a result of durable technology.



* with calibration on the test surface

Application:

Industrial measurement of strip material

Applications for the **CORREVIT® I-CE** Sensor include the measurement of textiles, carpets, paper, foils, steel, wood, cables, ropes, wires, tubes, etc. The I-CE Sensor is highly accurate, even in applications where slippage, shrinkage, elongation, extreme environmental conditions or the production process challenge traditional contact measurement systems.

CORREVIT® I-CE sensors use a proven grating/transmitted light process, which incorporates precise optical gratings to ensure a direct signal presentation. Difficult measuring requirements during the production process, such as the degree of elongation and shrinkage, can be precisely achieved when using 2 sensors in combination with the **CORRSYS 3D** Industry Data Acquisition System.

The **CORREVIT® I-CE** sensor technology decisively contributes to precise industrial measurement acquisition and process control.

Typical Technical Specifications

Speed range:	0.5 to 1800 m/min
Measurement deviation:	< ±0.1%
Working range of the sensor:	320 mm ± 30mm
Signal output 1, digital optional:	1500 pulses/m
Analog output 1, longitudinal direction:	0 to 10 V
Power supply:	12 V DC
Temperature range	Operation: - 25 ... 50° C
	Storage: - 40 ... 85° C
	Relative humidity: 5 to 80% not condensing
System of protection:	IP 67
Dimensions (l x w x h):	approx. 330 x 80 x 80 mm
Weight industrial filter electronics:	1600 g
Shock:	50 g half-sine, 6 ms
Vibration:	10 g, 10 ... 150 Hz

RS 485 interface for connection to the SPS,
automatic sensor identification, function control



In a continuous effort to improve our products, **CORRSYS 3D** Sensors AG reserves the right to change specifications without prior notice.