

# WACHENDORFF

The Encoder Experts



## speedMATE

### Contactless optical sensor

DEVELOPED AND  
MADE IN GERMANY  
5 YEARS WARRANTY

[wachendorff-automation.com/speedmate](http://wachendorff-automation.com/speedmate)



Non-contact measurement  
of speeds and lengths

Adjustable encoder output  
A/B up to 120 pulses/mm

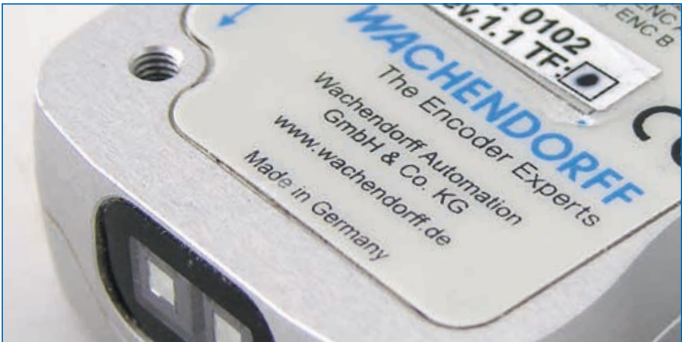
Slip-free

Trigger function

Working distance:  
15 mm up to 60 mm

# speedMATE

## Contactless optical sensor



- Non-contact measurement of speeds and lengths
- Adjustable encoder output A/B up to 120 pulses/mm
- Working distance: 15 mm up to 60 mm
- Trigger function
- Slip-free
- Small design

### The innovation for your production - simple and universal!

speedMATE measures the speeds of moving tracks and piece goods in order to monitor, control and regulate production systems.

**The big advantage:** The measurement is non-contact, purely optical, without mechanical components and therefore slip-free. In applications and mechanical processes in which measuring wheels cannot be used due to sensitive materials, for example, the non-contact speedMATE with its high measuring accuracy is the ideal sensor.

The speedMATE can also perform a trigger function, i.e. emit a start pulse, e.g. for labelling devices, as soon as a previously defined increment value is reached. The speedMATE is suitable for almost all materials and surfaces - even for reflective and smooth glass surfaces.

speedMATE	
Type:	Sensor incremental
Housing material:	Aluminium
Measuring distance:	15 mm up to 60 mm
Wave length:	850 nm
Accuracy:	± 0.3 %
Sampling rate:	0.9 ms
Output signals:	HTL, TTL
Speed:	0.5 up to 135 m/min. 2,250 mm/sec
Acceleration:	< 8g
Supply Voltage:	5 VDC up to 32 VDC
Power consumption:	100 mA
Temperature range:	-10 C° up to +60 °C
Protection class:	IP67, on the housing side
Further informations:	/speedmate

Type:	Sensor incremental
Housing material:	Aluminium
Measuring distance:	15 mm up to 60 mm
Wave length:	850 nm
Accuracy:	± 0.3 %
Sampling rate:	0.9 ms
Output signals:	HTL, TTL
Speed:	0.5 up to 135 m/min. 2,250 mm/sec
Acceleration:	< 8g
Supply Voltage:	5 VDC up to 32 VDC
Power consumption:	100 mA
Temperature range:	-10 C° up to +60 °C
Protection class:	IP67, on the housing side
Further informations:	/speedmate

**Any Questions?** Just call us at +49 (0) 67 22 / 99 65 414, send us an E-Mail to support-wa@wachendorff.de or call your local distributor: [www.wachendorff-automation.com/distri](http://www.wachendorff-automation.com/distri)

# WACHENDORFF

The Encoder Experts

Wachendorff Automation GmbH & Co. KG  
Industriestrasse 7 • D-65366 Geisenheim  
Tel.: +49 (0) 67 22 / 99 65 - 25  
E-Mail: [wdg@wachendorff.de](mailto:wdg@wachendorff.de)  
[www.wachendorff-automation.com](http://www.wachendorff-automation.com)



Your distributor: