

# WACHENDORFF

The Encoder Experts



## speedMATE Contactless optical sensor

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



Non contact detection

Incremental encoder and  
programmable trigger in on

Non slip

Plug & Play



**Industrie ROBUST**

# speedMATE

## Contactless optical sensor



- Contactless detection
- Incremental encoder and programmable trigger in one
- Plug & Play
- Non Slip
- 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



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

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Your distributor: