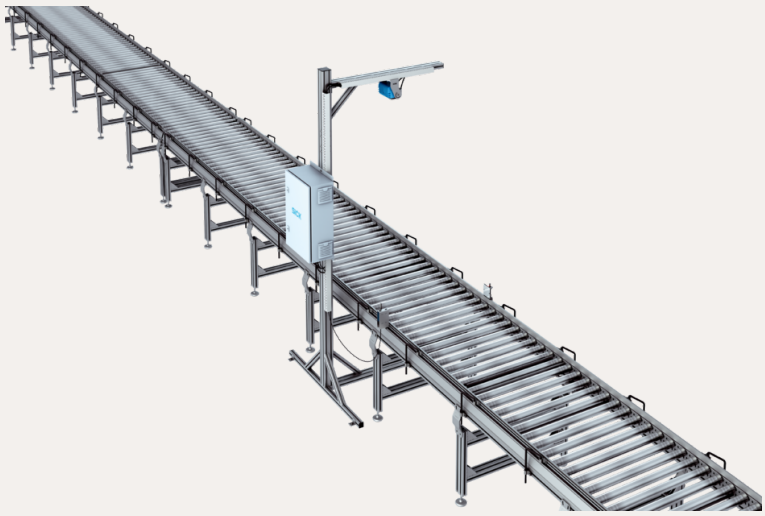
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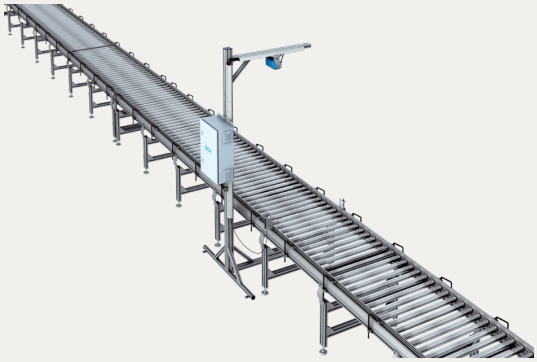


DATA SHEET

VMV4100

VMV Dimensioning System
Track and trace systems

SICK Sensor Intelligence



TRACK AND TRACE SYSTEMS

VMV4100

ORDERING INFORMATION

Type	part no.
VMV4100	On request

Further device versions and accessories at www.sick.com/VMV_Dimensioning_System

DETAILED TECHNICAL DATA

FEATURES

Products by tasks	Measuring - Dimension, contour and volume
Applications	Object measurement (non-contact, dynamic)
Misalignment of the object	+ 360°
Conveyor type	Belt conveyor Roller conveyor
Object infeed and outfeed	Automatic

MECHANICS/ELECTRONICS

Enclosure rating	IP20 (DIN 40050)
Supply voltage	100 V ... 240 V
Mains frequency	50 Hz ... 60 Hz

PERFORMANCE

Transport speed	≤ 0 m/s ... 2 m/s, start-stop operation possible
Minimum object size (L/W/H)	40 mm x 40 mm x 10 mm ... 100 mm x 100 mm x 50 mm
Maximum object size (L/W/H)	700 mm x 500 mm x 400 mm ... 1200 mm x 1000 mm x 800 mm
Minimum object distance	Application-specific
Accuracy of object coverage (L/W/H)	± 5 mm x ± 5 mm x ± 2 mm ... ± 10 mm x ± 10 mm x ± 5 mm
Side-by-side	✓

INTERFACES

Output data	Maximum dimensions (length, width, height) of Minimum Bounding Box Volume (the minimum bounding box) Image output in .png

AMBIENT DATA

Ambient operating temperature	0 °C ... +40 °C, Variant with up to +50 °C possible
Ambient temperature, storage	–20 °C ... +70 °C
Permissible relative humidity	≤ 90 %, Non-condensing
Electromagnetic compatibility (EMC)	EN 61000-6-3:2007-01, EN 61000-6-2:2005-08
Shock load	EN 60068-2-27
Requirements conveyor	Straight and level conveyor technology (in the area of the measuring location)

GENERAL NOTES

Items supplied	1 x SIM2000-2 P 1 x Visionary-S 1 x photoelectric sensor 2 x external illumination Connection cables, brackets and frame options
Laser class	1

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/VMV Dimensioning System

SICK AG
WALDKIRCH
GERMANY
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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