SICK.COM



DATA SHEET

VMS6200

VMS6x00/7x00
Track and trace systems

SICK Sensor Intelligence



TRACK AND TRACE SYSTEMS

VMS6200

ORDERING INFORMATION

Type	part no.
VMS6200	On request

Further device versions and accessories at www.sick.com/VMS6x00_7x00

DETAILED TECHNICAL DATA

FEATURES

Products by tasks	Measuring - Dimension, contour and volume
Light source	Infrared, 905 nm
MTTR	< 10 min
Misalignment of the object	360°
Conveyor type	Belt conveyor Roller conveyor
Object infeed and outfeed	Automatic

MECHANICS/ELECTRONICS

Enclosure rating	IP54
Supply voltage	230 V AC 100 V AC ... 264 V AC
Mains frequency	50 Hz ... 60 Hz
Power consumption	600 W
Laser class	1 (EN 60825-1:2014, IEC 60825-1:2014)

PERFORMANCE

Transport speed	0 m/s ... 2 m/s, start-stop operation possible
Minimum object size (L/W/H)	100 mm x 100 mm x 100 mm 4 ″ x 4 ″ x 4 ″
Maximum object size (L/W/H)	2,600 mm x 2,000 mm x 3,000 mm 102 ″ x 79 ″ x 118 ″
Accuracy of object coverage (L/W/H)	≥ 20 mm x ≥ 20 mm x ≥ 20 mm ≥ 0.8 ″ x ≥ 0.8 ″ x ≥ 0.8 ″ (depending on application)
Minimum object distance	200 mm
Detectable object shape	Cubic objects, irregular objects
Detectable object colors	All colors incl. black and reflective

INTERFACES

Optical indicators	1, display, optional
Output data	XML ASCII Customer protocol
Configuration interface	Ethernet SOPAS Engineering Tool

AMBIENT DATA

Ambient operating temperature	0 °C ... +40 °C
Ambient temperature, storage	–12 °C ... +50 °C
Permissible relative humidity	95 %, Non-condensing
Electromagnetic compatibility (EMC)	IEC 61439-2:2011 IEC 61000-6-2:2016 IEC 61000-6-4:2006+A1:2010
Ambient light immunity	≤ 70,000 lx
Remission factor	2 % ... 200 %
Vibration load	IEC 60068-2-27:2008, IEC 60068-2-64:2008, IEC 60068-2-65:2013

GENERAL NOTES

Items supplied	System controller (1x; with integrated or additional dimension controller, see type code) LMS (2x) 1 x photoelectric sensor (optional) Encoder (optional) (1x) Connection cables, holders, and frame options depending on the application

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/VMS6x00/7x00

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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