SICK.COM



DATA SHEET

VMS4400CV

VMS4x00/5x00
Track and trace systems

SICK Sensor Intelligence



TRACK AND TRACE SYSTEMS

VMS4400CV

ORDERING INFORMATION

Type	part no.
VMS4400CV	On request

Further device versions and accessories at www.sick.com/VMS4x00_5x00

DETAILED TECHNICAL DATA

FEATURES

Products by tasks	Measuring - Dimension, contour and volume
Conveyor type	Belt conveyor
Object infeed and outfeed	Automatic

PERFORMANCE

Transport speed	≤ 0.1 m/s ... 2 m/s, start-stop operation possible
Minimum object size (L/W/H)	200 mm x 100 mm x 100 mm 8 ″ x 4 ″ x 4 ″
Maximum object size (L/W/H)	2,000 mm x 1,000 mm x 1,000 mm 80 ″ x 40 ″ x 40 ″
Minimum object distance	> max. object height (including deformation)
Accuracy of object coverage (L/W/H)	± 5 mm x ± 5 mm x ± 5 mm ± 0.2 ″ x ± 0.2 ″ x ± 0.2 ″
Minimum detectable deformation	–10 mm [1]

[1] Negative Δ to the minimum bounding box, no guaranteed value for the accuracy of the measured deformations, no differentiation between convex and concave deformation structure, holes cannot be detected.

INTERFACES

Output data	Dimensions L/W/H (the minimum bounding box) Position data Point cloud Status information
Configuration interface	Ethernet: SOPAS Engineering Tool

AMBIENT DATA

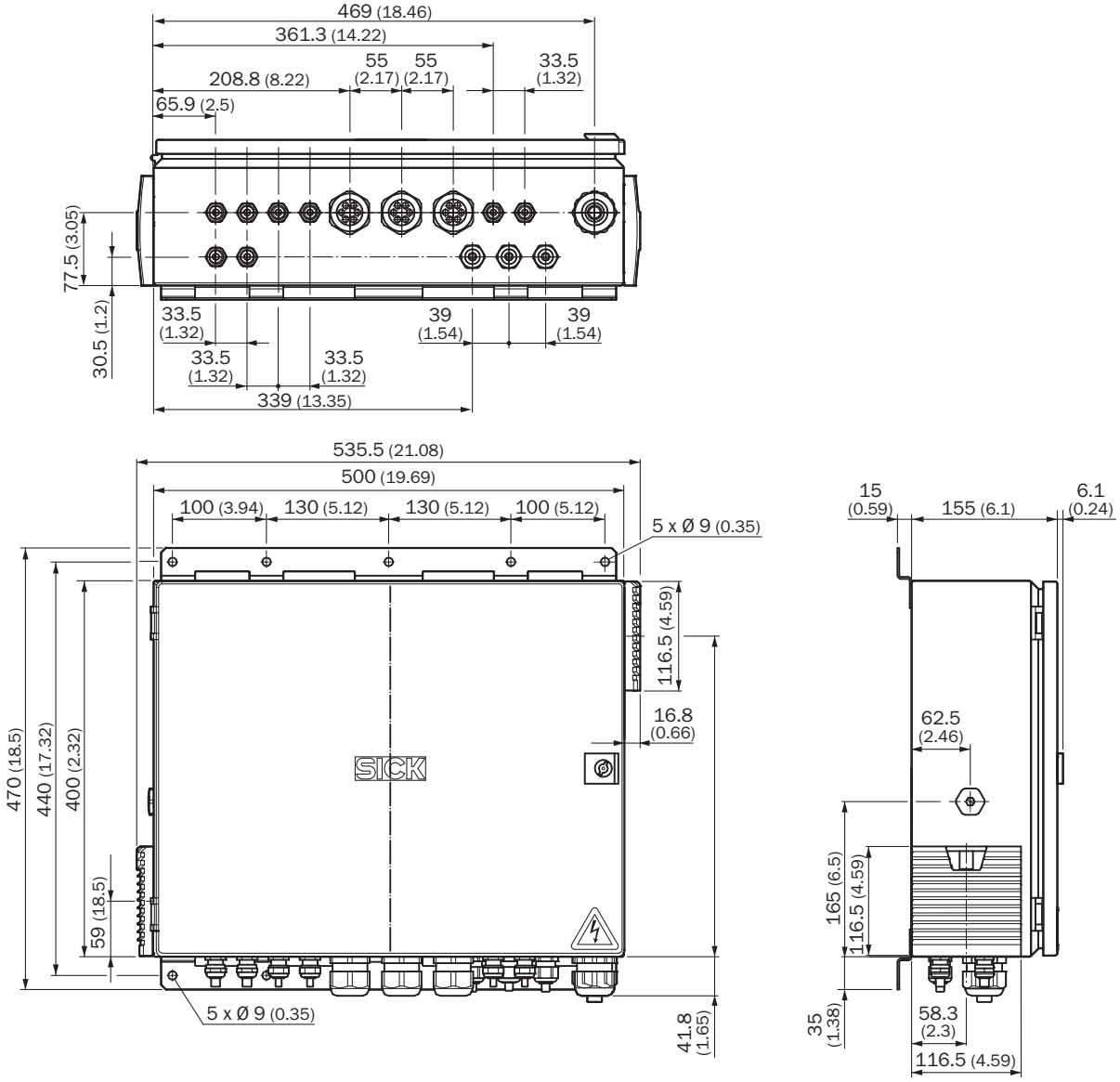
Ambient operating temperature	0 °C ... +50 °C
Ambient temperature, storage	–20 °C ... +70 °C
Object remission	10 % ... 200 %, based on Kodak White Paper and red light laser), non-glossy (e.g. tape)

Requirements conveyor	Straight and level conveying equipment with a uniform surface (in the measuring location area), 40 mm ± 2 mm conveying gap

GENERAL NOTES

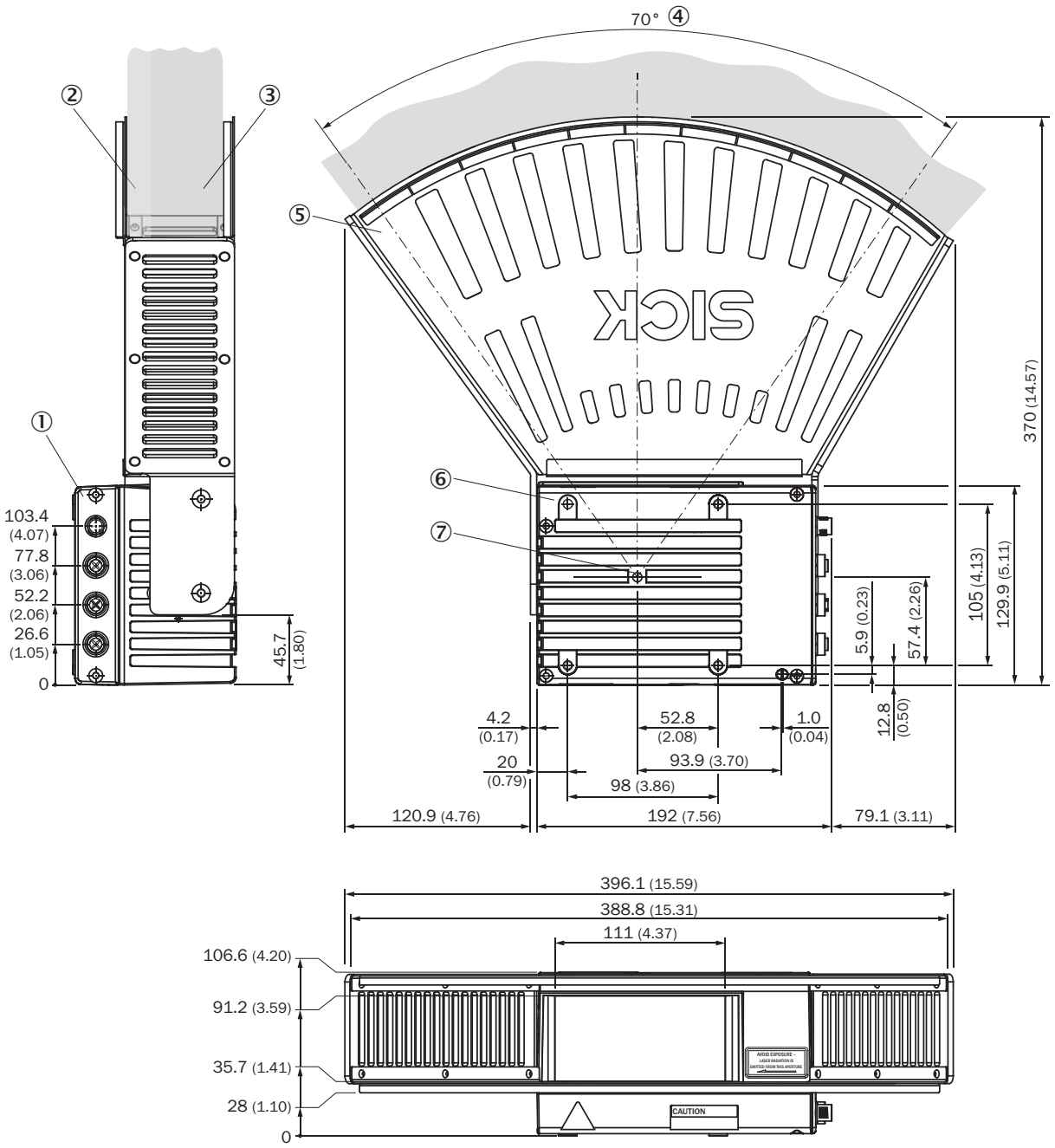
Laser class	2, with laser protection cover

DIMENSIONAL DRAWING SIC2000 CONTROLLER (FOR EXAMPLE, SIC2000-2100)



Dimensions in mm (inch)

DIMENSIONAL DRAWING LMS4X2X HEAD WITH LASER PROTECTION COVER



Dimensions in mm (inch)
① interfaces, types and number can vary
② Sending area
③ receiving area
④ aperture angle
⑤ Optical hood
⑥ reference boreholes
⑦ Distance measurement zero point

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/VMS4x00/5x00

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WALDKIRCH
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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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