SICK.COM




DATA SHEET

# VMS4300

VMS4x00/5x00
Track and trace systems

SICK Sensor Intelligence



# TRACK AND TRACE SYSTEMS

# VMS4300

## ORDERING INFORMATION

| Type | part no. |
|---|---|
| VMS4300 | 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 ... 2.5 m/s, start-stop operation possible |
| Minimum object size (L/W/H) | 50 mm x 50 mm x 20 mm<br>2 ″ x 2 ″ x 1 ″ |
| Maximum object size (L/W/H) | 5,500 mm x 1,600 mm x 1,400 mm<br>216 ″ x 63 ″ x 55 ″ |
| Minimum object distance | 0 mm, Depending on operating mode<br>50 mm |
| Accuracy of object coverage (L/W/H) | ± 5 mm x ± 5 mm x ± 2 mm<br>± 0.2 ″ x ± 0.2 ″ x ± 0.1 ″ |
| Dynamic scale value | ✓ |
| Side-by-side | ✓ |
| Touching objects | ✓ |

### INTERFACES

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

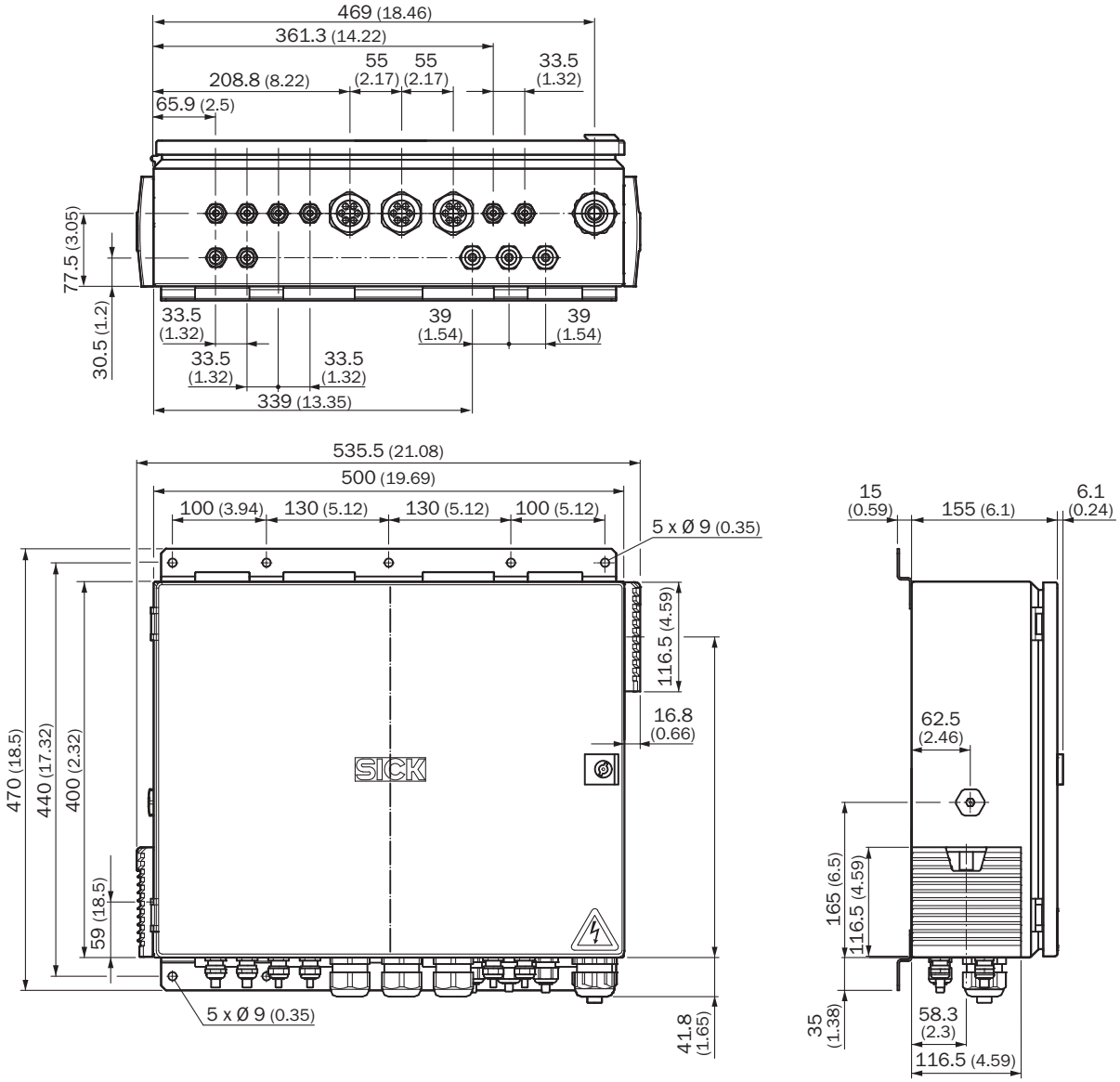
## AMBIENT DATA

| | |
|---|---|
| Ambient operating temperature | +5 °C ... +40 °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 measurement location area) |

## GENERAL NOTES

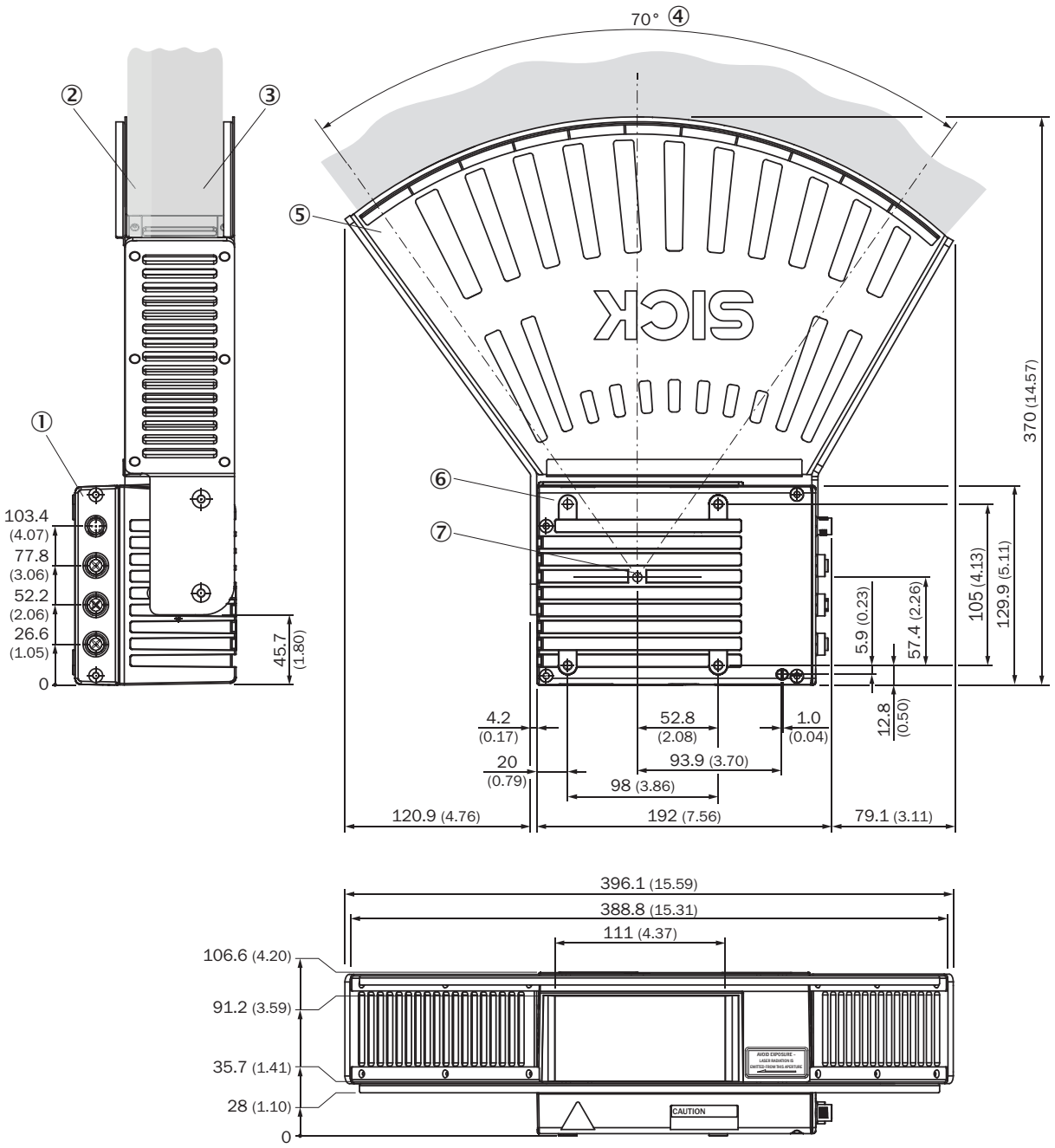
| | |
|---|---|
| Laser class | 2, with laser protection cover |

## 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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# 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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