Data sheet



VMS5200-x MID

VMS4x00/5x00

TRACK AND TRACE SYSTEMS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
VMS5200-x MID	On request

Other models and accessories ➜ www.sick.com/VMS4x00_5x00

Detailed technical data

Features

Products by tasks	Measuring - Dimension, contour and volume
Applications	Object measurement (non-contact, dynamic)
Legal-for-trade	✓
Conveyor type	Cross-belt sorter
Object infeed and outfeed	Automatic

Mechanics/electronics

Enclosure rating	IP20 (DIN 40050)

Performance

Transport speed	0.5 m/s ... 4 m/s
Minimum object size	50 mm x 50 mm x 50 mm 2 ″ x 2 ″ x 2 ″
Maximum object size	2,500 mm x 1,600 mm x 1,100 mm 98 ″ x 63 ″ x 43 ″
Accuracy of object coverage	≥ 5 mm x ≥ 5 mm x ≥ 5 mm ≥ 0.2 ″ x ≥ 0.2 ″ x ≥ 0.2 ″
Certification	MID, OIML NTEP on request
Dynamic scale value	✓

Interfaces

Optical indicators	1, display
Output data	Dimensions L/W/H (the minimum bounding box) Position data Point cloud Status information

Ambient data

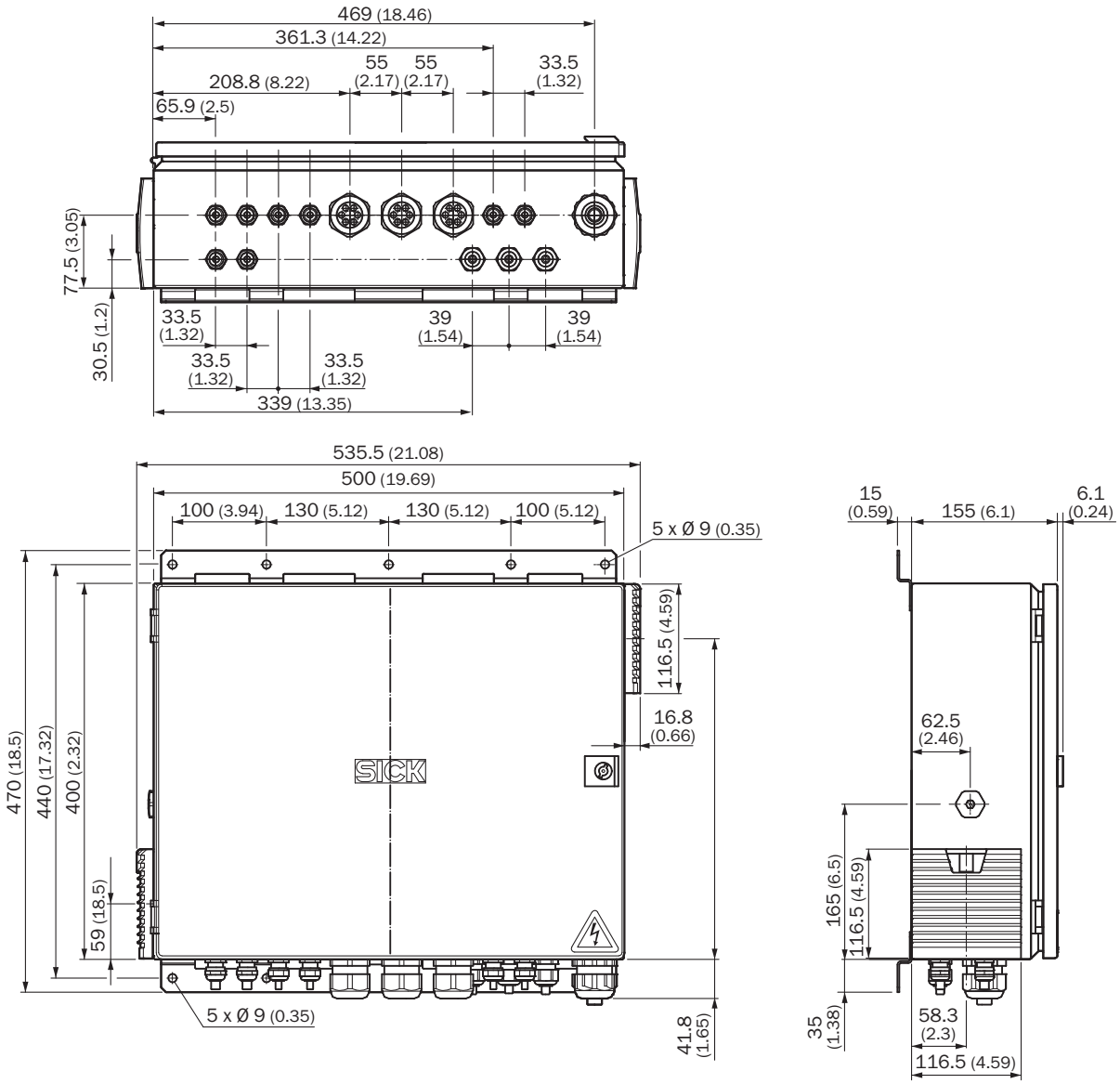
Ambient operating temperature	–10 °C ... +50 °C
Ambient temperature, storage	–20 °C ... +70 °C
Permissible relative humidity	95 %, Non-condensing
Electromagnetic compatibility (EMC)	EN 61000-6-2:2005, EN 61000-6-4:2007+A1:2011

Object remission	10 % ... 200 %, based on Kodak White Paper and red light laser), non-glossy (e.g. tape)
Shock load	EN 60068-2-6, –27, –29, –64
Vibration load	EN 60068-2-6, –27, –29, –64
Requirements conveyor	Straight and level conveying equipment with a uniform surface (in the measurement location area)

General notes

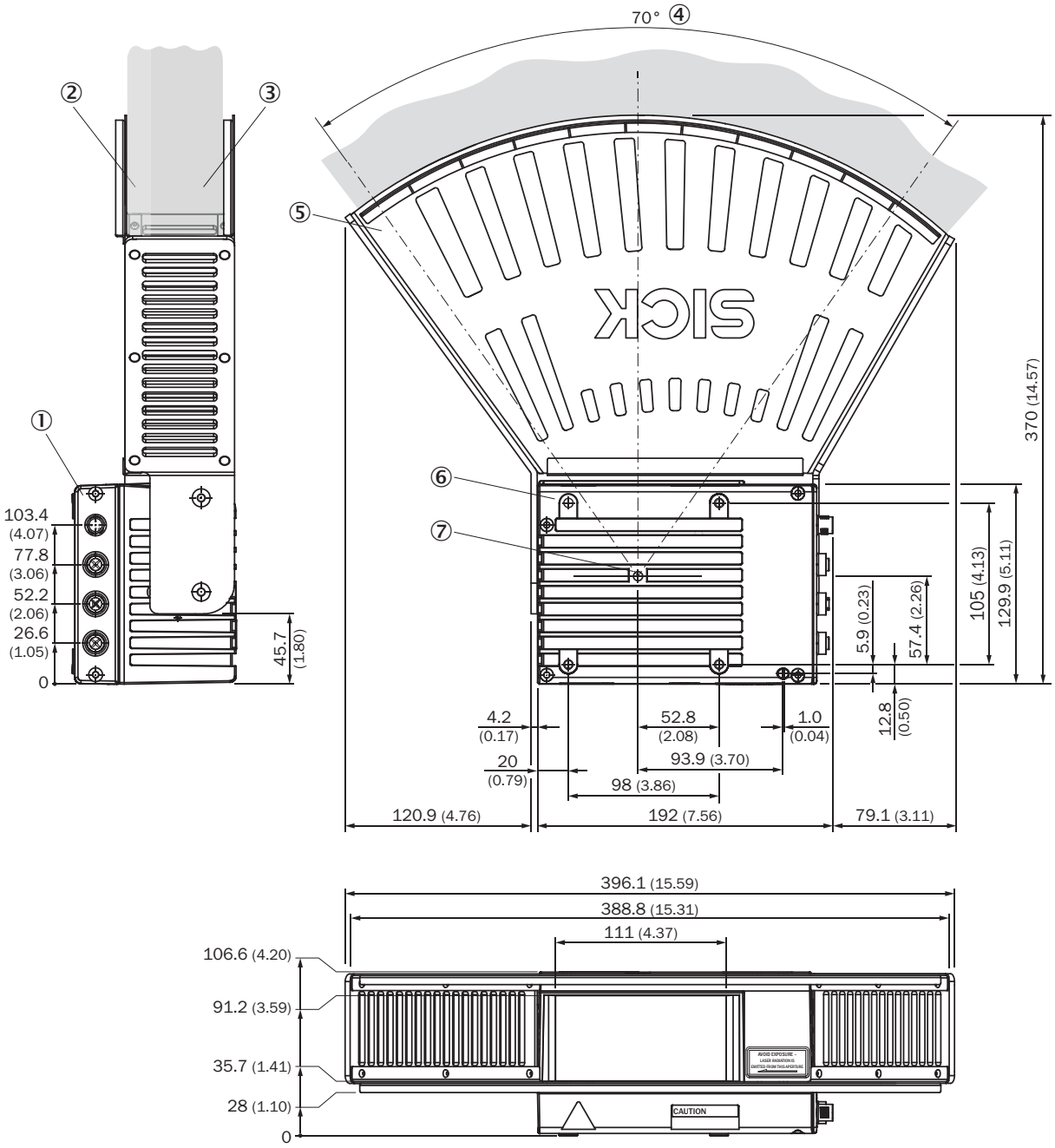
Laser class	2, with laser protection cover

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

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com