Product family overview



VMS6x00/7x00

Dimensioning and position determination of large or challenging objects

SICK
Sensor Intelligence.



Technical data overview

Industries	Airport Distribution and fulfillment Warehouse automation
Products by tasks	Dimensioning
Transport speed	0 m/s ... 2 m/s (start-stop operation possible)
Accuracy of object coverage	≥ 20 mm x ≥ 20 mm x ≥ 20 mm ≥ 0.8 ″ x ≥ 0.8 ″ x ≥ 0.8 ″ (depending on application)
Minimum object distance	≥ 200 mm
Minimum object size	100 mm x 100 mm x 100 mm 4 ″ x 4 ″ x 4 ″
Maximum object size	2,600 mm x 2,000 mm x 3,000 mm 102 ″ x 79 ″ x 118 ″
Output data	XML, ASCII, customer protocol

Product description

The VMS6x00/7x00 track and trace system easily solves challenging applications to dimension objects and determine their exact position. The system can be used on different conveyor systems and is perfectly suited for dynamic and reliable measurement of large objects as well as black, foil-wrapped or strongly reflective objects. To do so, several laser-based LMS500 measuring units determine the smallest enveloping box of the object, regardless of its shape. The modular setup of the track and trace system ensures compatibility with existing solutions from SICK and enables adaptations to customer-specific applications.

At a glance

- Measurement accuracy: Up to 20 mm x 20 mm x 20 mm
- Object sizes: Up to 2,600 mm x 2,000 mm x 3,000 mm
- Conveying speeds: Up to 2.0 m/s
- Redundant system setup (optional)
- MTTR: Less than 10 min. thanks to hardware-based parameter cloning
- Central control unit enables easy system expansion

Your benefits

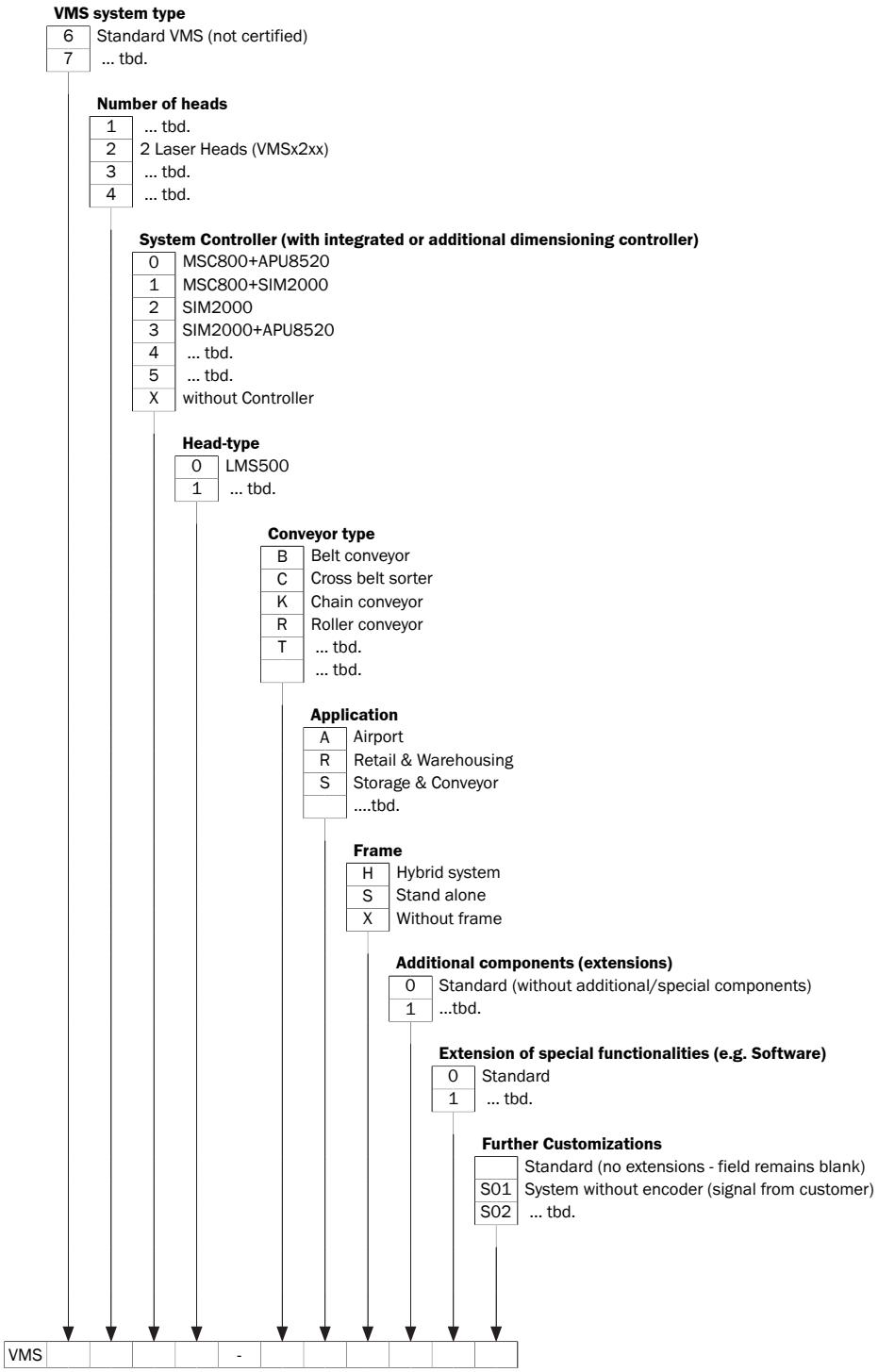
- Quick and efficient dimensioning thanks to dynamic inline object measurement
- Measures dimensions of very large objects
- Reliable measurement of objects with black, foil-wrapped or strongly reflective surfaces, regardless of the object shape
- High system availability thanks to the redundant system construction (optional)
- Reduction in operating costs thanks to short MTTR
- Range of options: Either as stand-alone solution or extended with a scanning station, scale and/or IP camera

Fields of application

- Incoming and outgoing goods in retail and distribution centers
- Storage processes in storage and conveyor systems
- Baggage and freight handling systems at Airports

Type code

Other models and accessories ➜ www.sick.com/VMS6x00_7x00



Ordering information

Other models and accessories ➜ www.sick.com/VMS6x00_7x00

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