



## VMS410/510

The single-head volume measurement system for cuboidal objects

TRACK AND TRACE SYSTEMS

**SICK**  
Sensor Intelligence.



### Technical data overview

<b>Applications</b>	Goods receipt, outgoing area, LFT object dimensioning
<b>Transport speed</b>	1 m/s
<b>Accuracy of object coverage</b>	$\pm 5 \text{ mm} \times \pm 5 \text{ mm} \times \pm 5 \text{ mm}$ ( $v \leq 1.0 \text{ m/s}$ )
<b>Minimum object distance</b>	$\geq 0 \text{ mm}$
<b>Minimum object size</b>	50 mm x 50 mm x 50 mm ( $v \leq 1.0 \text{ m/s}$ )
<b>Maximum object size</b>	2,300 mm x 1,000 mm x 1,000 mm
<b>Output data</b>	Dimensions (length, width, height) of the box volume
<b>Scanner design</b>	1-scanner solution

### Product description

Designed for measuring the volume of cuboidal objects and/or packages on flat conveyor belts, etc. SICK's VMS410/510 volume measurement system family offers quick installation and simple alignment and commissioning. There are certified variants available for calculating billable weight: the VMS510 OEM and the VMS510 MID (tested and certified to OIML, MID and further standards). In addition, a certified special version for the measurement of side-by-side objects is available, the VMS510 MID-e.

### At a glance

- Measures length, width and height of an object
- Calculation of the smallest enclosing cube (box volume)
- Optimized application software
- All measuring functions are built in the measuring head, no additional evaluation unit is required

### Your benefits

- Simple mounting saves time on installation, commissioning, and provides flexibility for different application environments
- Compact design ensures easy integration into new and existing systems
- Low-maintenance system (short MTTR through plug & play unit exchange)
- Tested and certified to OIML, MID and further standards

### Ordering information

Other models and accessories → [www.sick.com/VMS410\\_510](http://www.sick.com/VMS410_510)

## 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](http://www.sick.com)