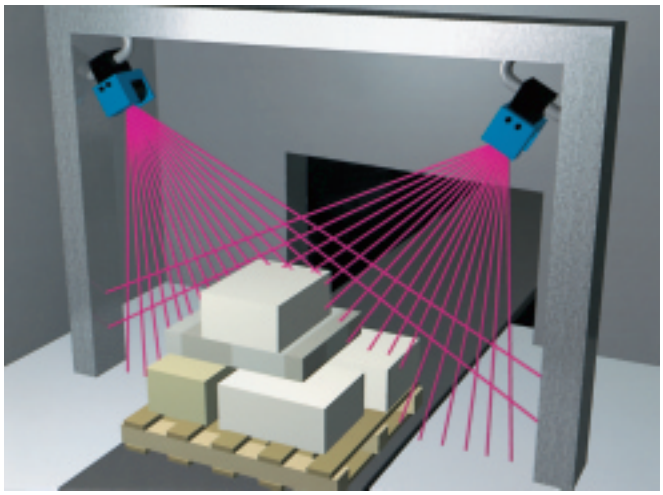
PRODUCT INFORMATION

Setting Standards Systematically.
Volume Measurement System
VMS 200 IPC

SICK

A standard system for determining the volumes of parcels and freight

Parcels and pallets, flight luggage and air freight containers are examples of objects for which a manual determination of volume is relatively imprecise, difficult and sometimes not even possible. Rapid conveyor speeds, complex geometries and large dimensions – combined with the need for great accuracy and automatic processing of the volume data provided – are therefore important features of automatic volume measurement systems. Wether at parcel distribution centres, freight depots or airports – SICK's VMS 200 IPC volume measurement system offers a standard solution for your automated volume determination requirements.



VMS 200 IPC determining parcels/pallets

The VMS 200 IPC's decisive advantages

- Non-contact measurement process using SICK's LMS 200 laser measurement system
- Standard software solution based on industrial PCs
- Determination of volumes for objects measuring up to 3,000 x 3,000 x 7,000 mm^3
- Typical accuracies of ±20 mm
- Object conveyance speeds of up 2 m/s
- Measured values provided:
  - length, width, height
  - space occupied volume
  - actual volume
- Flexible and easy installation

The complete solution for determining volumes.

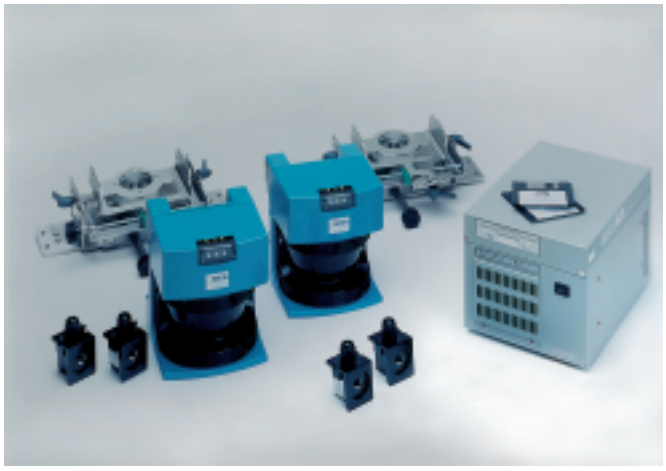
Parcels (parcel services)

Pallets (freight)

Luggage (airports)

Volume Measurement System VMS 200 IPC

Specifications	
Maximum object size	3,000 mm x 3,000 mm x 7,000 mm (W x H x L)
Minimum object size	100 mm x 100 mm x 100 mm (W x H x L)
Accuracy	± 20 mm (typical, objects > 200 x 200 x 200 mm³) up to 1 m/s ± 25 mm (typical, objects > 200 x 200 x 200 mm³) up to 2 m/s
Measured value output	RS 422 serial interface - length, width, hight - space occupied volume - actual volume
Conveyance speeds	up to 2 m/s - parameters can be set (constant speed) - incremental input (I/O card, optional)
Measurement principle	Time-of-flight measurement using laser technology - 2 x SICK LMS 200 laser measurement systems
Laser protection class	1
Evaluation	Industrial PC, Pentium with 233 MHz or higher - RS 232, RS 422 (IPC <–> HOST) - 2 x RS 422, high-speed 500 kBaud (IPC <–> LMS) - VGA port, printer port



The VMS 200 IPC complete solution

- 2 x SICK LMS 200 laser measurement systems
- 2 x finely adjustable mounting set (suitable for aluminium profiles)
- 1 x VMS-industrial PC, Intel Pentium, 233 MHz or higher
- 1 x VMS standard software with licence agreement
- 2 x connection set 1 (without cables)