DWS510 Static
System solutions

Manual Dimensioning, Weighing
and Scanning

SICK
Sensor Intelligence.

Manual Dimensioning, Weighing and Scanning

Product description

For the complete data capture of volume, weight and bar code information of freight for the courier, express, postal and cargo industry as well as for retail and warehousing, SICK developed the DWS510 Static, a new dimensioning weighing scanning system. By simply pushing the scan button of the hand-held scanner, the DWS510 Static measures dimensions and weight of the parcel lying on the roller conveyor. This data can be used for invoicing freight charges or it can be used in ERP systems to create freight documents automatically.

The system consists of the proven VMS510 volume measurement system, a static scale and a hand-held bar code scanner integrated into a robust steel frame. The commissioning of the DWS510 Static takes only a few minutes and the complete system is legal-for-trade approved.

At a glance

- Dimensioning, weighing and identification data with the push of a button
- Complete solution with integrated frame and roller conveyor
- Commissioning within a few minutes
- Legal-for-trade approved (according to OIML, MID and NAWI)

Your benefits

- Economic alternative to expensive fully-automatic DWS systems
- Automated invoicing of freight charges using legal-for-trade weight and volume data (revenue recovery)
- Several freely programmable host interfaces can be used to generate additional data for sorting parcels

A cooperation with

AKL-tec

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Additional information

➜ **www.mysick.com/en/DWS510_Static**
For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Detailed technical data

Performance

Authorizations	Legal-for-trade approvals (OIML, MID and NAWI)
Minimum object size	50 mm x 50 mm x 50 mm
Maximum object size	1,100 mm x 700 mm x 700 mm
Accuracy of object coverage	± 5 mm x ± 5 mm x ± 5 mm
Allowed weight for legal-for-trade weighing	0.1 kg ... 60 kg
Accuracy of scale	e = 20 g
Throughput	Approx. 500 pph (measuring time approx. 1.5 sec per object), depending on operator
Identification of parcels	Robust IDM160 hand-held bar code scanner fitted with a cable for all standard 1D bar codes, reading distance of up to 800 mm, minimum module width 0.076 mm (other hand-held scanner types available upon request)

Interfaces

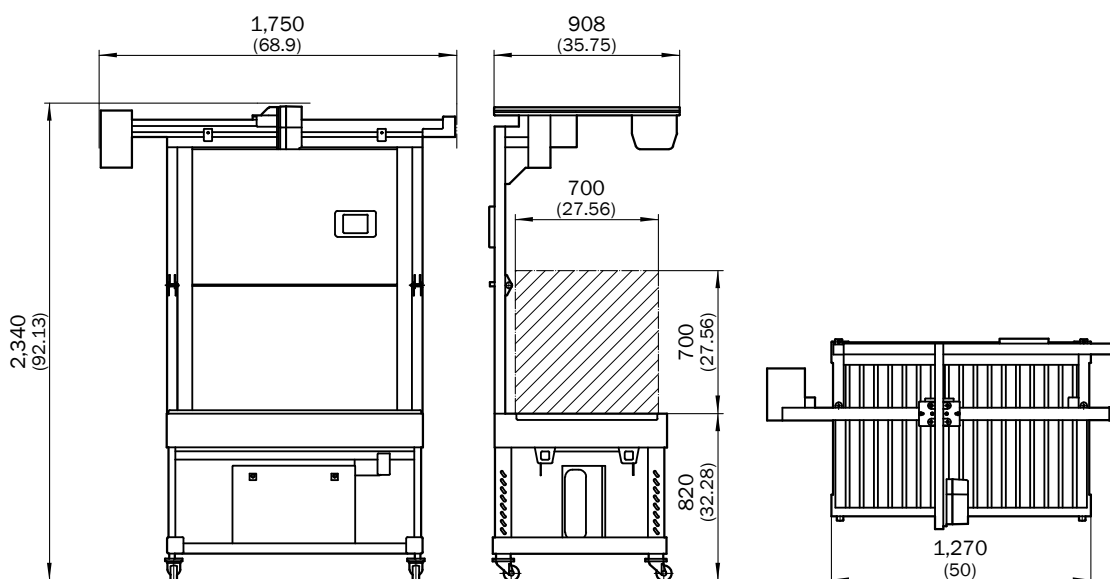|	
Serial (RS-232, RS-422)	✔
Ethernet	✔
PROFIBUS	✔

Mechanics/electronics

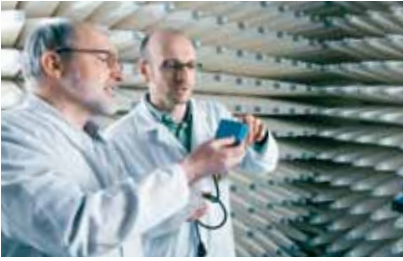|	
Dimensions of the roller conveyor	L = 1,250 mm x B = 650 mm, Height above floor: adjustable from 700 mm to 950 mm (in 50 mm-steps)

Ordering information

Sub product family	Model name	Part no.
DWS510 Static	DWS510-ST12100	On request

Dimensional drawings

Dimensions in mm (inch)

SICK at a glance

Leading technologies

With a staff of more than 5,000 and over 50 subsidiaries and representations worldwide, SICK is one of the leading and most successful manufacturers of sensor technology. The power of innovation and solution competency have made SICK the global market leader. No matter what the project and industry may be, talking with an expert from SICK will provide you with an ideal basis for your plans – there is no need to settle for anything less than the best.

Unique product range

- Non-contact detecting, counting, classifying, positioning and measuring of any type of object or media
- Accident and operator protection with sensors, safety software and services
- Automatic identification with bar code and RFID readers
- Laser measurement technology for detecting the volume, position and contour of people and objects
- Complete system solutions for analysis and flow measurement of gases and liquids

Comprehensive services

- SICK LifeTime Services – for safety and productivity
- Application centers in Europe, Asia and North America for the development of system solutions under real-world conditions
- E-Business Partner Portal www.mysick.com – price and availability of products, requests for quotation and online orders

Worldwide presence with subsidiaries in the following countries:

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Danmark
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Please find detailed addresses and additional representatives and agencies in all major industrial nations at **www.sick.com**

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