CUBISCAN 210-L

HIGH-VOLUME SKU & PARCEL DIMENSIONS FOR SHIPPING & RECEIVING

USER BENEFITS

- Accurate package dimensions in high-volume shipping & receiving environments
- Automating shipping & receiving frees up labor for other tasks
- Capture profiles of raw and unpackaged items
- Inspection capabilities include:
    - pallet damage
    - open carton
    - empty tote verification
    - void fill calculation

MEASUREMENT RANGE

Full Range - 120”L x 39”W x 39”H
Medium Range - 120”L x 30”W x 17”H

PRODUCT DESCRIPTION

The Cubiscan 210-L is designed to collect volumetric data on in-motion SKUs and parcels in high-throughput facilities. It is LFT certified up to 500 ft/minute and can provide actual product volume in addition to a bounding box, or “smallest cube” dimension. The Cubiscan 210-L excels at void detection and can be used at the item or parcel level. Its ability to integrate with barcode scanners, checkweighers, print and apply labelers, and sortation technology makes the CS 210-L a flexible dimensioning solution that boosts facility throughput, revenue, and efficiency.

The CS 210-L comes in two standard sizes and can be custom configured for certain needs such as resolution, accuracy, and speed.

Typical applications include:

Shipping:

- Inline shipping and manifest
- Calculating carton dimensions for right-sized packaging
- Integration to various DWS solutions (dimensional weighing system)

Receiving and Putaway:

- SKU capture of packaged, unpackaged/raw items
- Pass/fail integration to ASRS and pick modules to flag ‘over-maximum’ sizes

CUBISCAN 210-L SPECIFICATIONS

MEASUREMENT RANGE

Min item size LFT (L x W x H): 2 x 2 x 1.2 in (50 x 50 x 31 mm)

Max item size (L x W x H): 120 x 39 x 39 in (3000 x 990 x 990 mm)
120 x 30 x 17 in (3000 x 762 x 431 mm)

Dimensional increment (L/W): 0.2 in (5 mm)
Dimensional increment (H): 0.1 in (2.5 mm)

Min conveyor speed: 10 fpm (0.05 mps)

Max conveyor speed LFT: 500 fpm (2.54 mps)
Max conveyor speed non-LFT: 600 fpm (3.04 mps)

Object interval: Greater or equal to 2 in (50 mm)

Object type: Cuboidal and irregular

Object color: Limitations with some dark colors

PHYSICAL SPECIFICATIONS

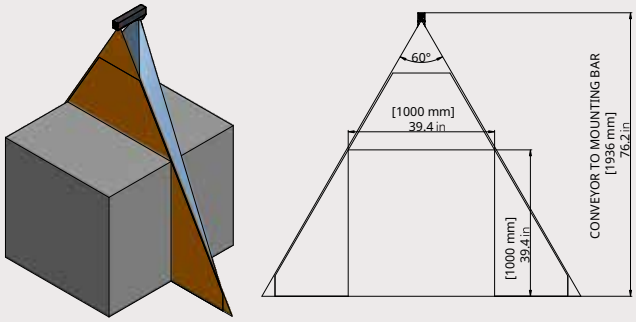
Length: Variable, based on custom frame design

Width: Variable, based on custom frame design

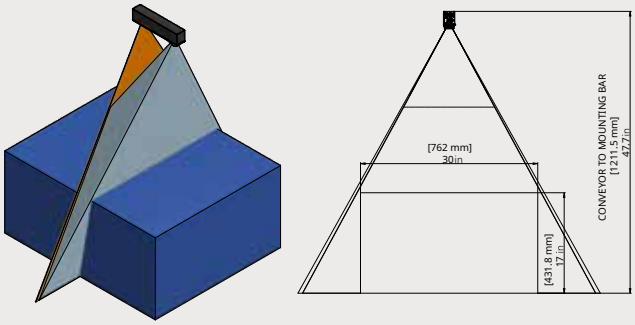
Height: Variable, based on custom frame design

MEASUREMENT FIELD OF VIEW

FULL RANGE



MEDIUM RANGE



OTHER

Data connections: Ethernet TCP/IP, Modbus TCP, Ethernet IP

User interface: Touchscreen HMI

Measure sensor: Laser triangulation

Operating temperature: 32° to 122°F (0° to 50°C)

Power requirements: 24-48V DC +- 10% max. 13W

Vibration shock test: Vibration resistance: 10-55 Hz, 1.5 mm double aplitude in X, Y, and Z directions, 2 hours per direction.

Shock resistance: 15 g, half sine wave, 11 ms, positive & negative for X, Y, and Z directions.

Laser diode (wavelength): Visible light.

Laser power: Max. 7.5 mW

Laser class: Class 2/3R (complies with 21 CFR 1040.10 with exception of the deviations per Laster Notice #50, 07/26/2001

Encloser rating/protection class: IP 20 (according to DIN 40050); with plug cover IP 65

Housing: Gasketed aluminum enclosure, IP67

Output data: Max dimensions (length, width, height). Cuboidal volume, surface volume. Height map, B&W image. Many other measurement tools based on application.

EMS test: In compliance with EN 61000-6-2:2001, EN 616000-6-4:2001