

# CubiScan® 1200-AKL

## Product Description

### Applications/Benefits

- Dimensions freight quickly and accurately
- Provides actual volume or cubic volume (the tallest, widest, and deepest dimensions of the object being measured)
- Can be equipped with or without optional floor-mounted deck scale
- Compatible with warehouse management, load planning, and shipping / manifesting software packages

### Freight Manifesting/Auditing Applications

- Can be installed in a portable configuration allowing it to easily be relocated in a freight facility
- Can be ceiling mounted allowing for 360 degree access to the measuring area
- Measures freight in any orientation
- Captures dimensional and reweigh data simultaneously
- Handles multi-piece, palletized, or non-palletized shipments
- Tare functions allows for subtraction of pallet dimensions and/or weight
- Outputs dimensions and weight in imperial or metric

### More Highlights

- Includes an electronics cabinet and panel mounted PC controller, touch-screen monitor, and integrated data collection software
- Real-time data transfer and integration to shipping / manifesting software systems
- Protects data integrity
- Uses sensing technology that is safe for both operators and package contents
- Measures all colors and shapes of freight
- Operates in any indoor lighting condition





## CubiScan® 1200-AKL Specifications

Physical Specifications		(not including control cabinet)
Length		13 ft 4 in (4.06 m)
Width		11 ft 4 in (3.45 m)
Height		11 ft 3 in (3.43 m)
Performance Specifications		
Length Capacity		8 ft 2 in (2.5 m)
Width Capacity		8 ft 2 in (2.5 m)
Height Capacity		8 ft 2 in (2.5 m)
Measurement Increment		±0.8 in (20 mm) for length and width and ±0.4 in (10 mm) for height
Minimum Length & Width		6 inches (15 cm)
Minimum Height		4 inches (10 cm)
Other		
Measuring Sensor		Two infrared laser scanners, 905 nm, Class 1 (eye-safe), according to DIN EN 60825-1
Connectivity		10/100 MBit/s RJ45
User Interface(s)		Integrated display & keypad / QBIT™ Software
Data Output		ASCII (transfer table), ODBC TCP/IP Telegram (ASCII)
Power Requirements		95 - 240 VAC, 47 - 63 Hz, single phase
Operating Temperature		40° - 104° F (5° - 40° C)
Humidity		0 - 80% non-condensing



Larger, customized versions are available

CubiScan® and the Quantronix logo are registered trademarks of Quantronix, Inc. Scanning New Dimensions™, Qbit™, QbitWIN™, and The FreightWeigh System™ are trademarks of Quantronix, Inc. Windows® is a registered trademark of Microsoft Corporation.

CubiScan software and firmware are protected by international and domestic copyrights.

CubiScan 100 measurement products incorporate technology protected by U.S. Patent No. 5,422,861 and foreign patents.

CubiScan 150 measurement products are protected by one or more of U.S. Patents Re42,430 and D490,328 and foreign patents. Another foreign patent is pending.

CubiScan 110 measurement products are protected by one or more of U.S. Patent Re42,430 and foreign patents. Another foreign patent is pending.

CubiScan 1000-VS measurement products incorporate technology protected by U.S. Patent No. 7,277,187 and foreign patents.

This document Copyright© 2011 by Quantronix, Inc. All rights reserved.

Got big dimensioning tasks? Try the CubiScan 1200-AKL on for size.

The CubiScan 1200-AKL is a large-scale static dimension scanning device that can work in conjunction with a heavy-capacity floor scale (or in a stand-alone position when weight is not required). Its overhead-mounted sensor configuration provides a comprehensive view of the freight measurement area while allowing access from any direction. In certain cases (depending on location and facility characteristics) it can be ceiling-mounted, providing unobstructed access for the user and protection against equipment damage. The powerful and accurate sensors measure freight in any orientation and of virtually any shape, color, or package material.

The CubiScan 1200-AKL utilizes advanced Class 1 infrared laser sensing technology that is safe for operators and freight (in accordance with DIN EN 60825-1 usage regulations). Two laser scanners are fixed to parallel guides that pass over the freight (normally taking 10 to 15 seconds). The system scans a three-dimensional measurement area without special illumination or contact. In its standard configuration it is capable of measuring from 1 cubic foot to 8 x 8 x 8 feet (2.5 x 2.5 x 2.5 meters). Measurement resolution is ± 0.8 inches (20mm) on length and width, and ± 0.4 inches (10mm) on height. Larger, customized versions of the system are available.

With a panel-mounted PC controller, touch-screen monitor, and integrated data collection software, the CubiScan 1200-AKL can process multi-piece shipments (having parcels of the same or random sizes), initiate parcel tracking tasks, and prepare the collected dimensional and weight data to be transferred to the customer's data processing system. An accessory high-resolution digital camera and a special software module can be integrated to allow for convenient and reliable documentation of freight damage. Finally, the system can be programmed to work with a wide variety of floor-scale digital display units. Barcode label scanning and printing devices can also be used with the 1200-AKL to create a turnkey cubing, weighing, and tracking workstation.

Big jobs need big solutions. See just how much you can accomplish with a CubiScan 1200-AKL.



380 South 200 West • P.O. Box 929 • Farmington, Utah • 84025 • USA  
1-800-488-CUBE • (801) 451-7000 • Fax: (801) 451-0502  
e-mail: info@cubiscan.com • www.cubiscan.com