

The Gocator® 2490 Legal-for-Trade Packaging & Logistics Measurement Solution with NTEP Certification



LMI offers an *NTEP LFT-certified solution for the accurate data capture of multi-dimensional measurements (LxWxH) of parcels in the shipping industry and for warehousing and logistics applications.

* Certification applies to the USA only. You can review the official certificate of conformance [on the NTEP website](#).

Sensor Specifications

NTEP Certificate Number	22-095	Product Model	Gocator® 2490A-2-R-16-T
Device Type	Multiple Dimension Measuring Device	Field of View	16-78 inches
Application	Cuboidal objects moving on a conveyor belt, separated by 4 inches or more	Clearance Distance	14 inches
Measurement	Length, Width, and Height	Measurement Range	60 inches

Package Specifications

Axis ID	d _{min}	Minimum Dimension	Maximum Dimension	Minimum Belt Speed	Maximum Belt Speed
Length	0.2 inches	2.4 inches	120.0 inches	Start / Stop 0 ft/min	500 ft/min
Width	0.2 inches	2.4 inches	36.0 inches		
Height	0.1 inches	1.2 inches	36.0 inches		

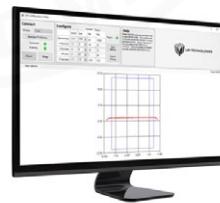
LFT Solution Includes



**Gocator® 2490A-2-R-16-T
Laser Profile Sensor**



Linear Wheel Encoder



**Legal-for-Trade Sensor
Configuration Utility**



Smart Display

- Wide field of view, single 3D sensor can be used on conveyors up to 75 inches wide
- Easy to set up and run (~30 minutes) using pre-configured job files
- Communicates measurements directly to Smart Display described below
- Spring loaded for easy integration with existing conveyor systems
- Encoder signal initiates 3D line profile capture for precise synchronization with belt movement
- PC-based utility for adjusting the measurement region of the sensor to match the conveyor
- Visualization of laser profile used during Zero operation
- Visualization of 3D surface used for package dimensioning
- Standalone touchscreen for sensor control and display of parcel dimensions
- Provides the user interface, reports alignment status, allows the user to trigger alignment
- Reports measurements out of range and clears alignment if the sensor temperature changes by 5 degrees or more

SOLUTIONS SETUP AND DEPLOYMENT

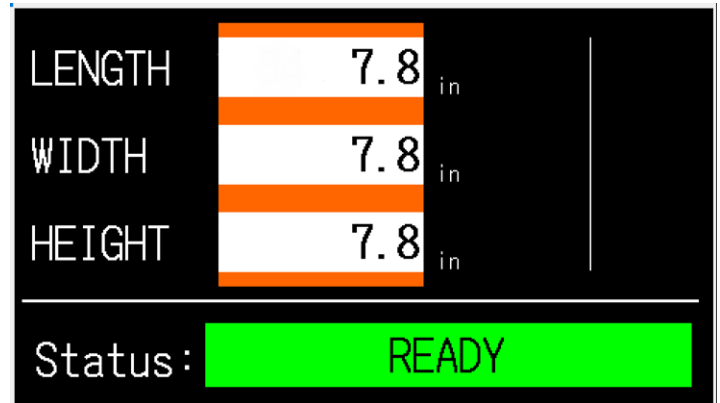
CONVEYOR CONFIGURATION

The Gocator Configuration Utility is used to adapt the sensor to any conveyor from 16-78 inches wide. The utility is used during installation and requires a Windows machine with an Ethernet connection.



PACKAGE MEASUREMENT

The Smart Display is used to report measurements captured by the sensor. It provides a touchscreen interface for the operator to Zero and Clear sensor alignment. The Smart Display will clear alignment automatically if ambient temperature drifts by 5 degrees or more.



FOR SYSTEM INTEGRATORS AND SOLUTION PROVIDERS

USE GOCATOR 2490 TO DEVELOP CUSTOM LFT-CERTIFIED SYSTEMS

Customers interested in deploying a Legal-for-Trade dimensioning system at multiple sites, or integrated in an OEM machine, can purchase all components from LMI or source the required encoder and measurement display from a local supplier. Standalone, the Gocator 2490 is an ultra wide field of view laser profiler that is ideal for package dimensioning applications.

ABOUT GOCATOR 2490

- Up to 78 inch wide field of view and large measurement range allows the system to adapt to the conveyor, mounting and package requirements
- Able to support conveyor speeds of up to 500 feet/minute, 24 hours per day, 7 days a week
- Certified to measure packages within 0.2 inches in length and width and 0.1 inches in height

BENEFITS TO THE SYSTEM INTEGRATOR

- Out-of-the-box LFT-certified device for accurate dimensional measurement
- Built-in Modbus support for communication with the Smart Display
- Smart display program for Legal-for-Trade conformant measurement output is available upon request

ON-SENSOR JOBFILES

The Gocator 2490 Legal-for-Trade sensor from LMI includes custom jobfiles that perform dimensioning on-sensor. These files are locked and cannot be accessed. OEM customers developing their own outbound dimensioning system can purchase the 2490 standard product and implement the same functionality. Please contact LMI to learn more.

- Preconfigured jobfiles are used for alignment and measurement
- Sensor reports profile width to configuration utility
- Sensor outputs dimensions to Smart Display over Modbus

