

# GEM Laser measuring and positioning system

Laser measuring and positioning system



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## FEATURES

Laser measurement and positioning system is divided into two lanes and multi-lane two. Used to indicate the accuracy of mobile vehicles  
 Parking device. Mainly used for port container loading and unloading, instructed the container truck driver to stop accurately  
 Car, improve operating efficiency.

## SPECIFICATIONS

System specifications and environmental conditions are as follows

1, the system can meet the two directions (that is, the car from two opposite directions out of the measurement range) single hanging 20

Feet (a car pressure a 20-foot cabinet), a single hanging 20 feet (a car pressure two 20-foot cabinet two times hanging box)

Double hanging 20 feet, a single hanging 40 feet, and a single hanging 45 feet under the conditions of ship loading and unloading function;

2, laser measurement and positioning system can be multi-channel measurement, is currently six lanes. Convert lane by man

Press the key on the control panel.

3, the laser measurement accuracy of 0.01 meters, affected by the measurement environment, the actual system measurement error within  $\pm 5$  cm.

4, multi-block display at the same time display. Display content: car from the parking spaces driving distance, forward, back side

To show.

5, according to the type of operation, into the car direction, the work of different lanes, for measurement and display.

6, the system working environment temperature between 4 degrees Celsius to 40 degrees Celsius.

7, laser measurement and positioning system also meet the following requirements:

- 1) The system has an interface to communicate with the field PLC.
- 2) the system itself and fault detection

## Applications

The laser measurement and positioning system is a device for indicating the accurate parking of a moving vehicle. Mainly used for port container loading and unloading, instructed the container truck driver to accurately stop, can also be used for real-time monitoring of the target ship and the surrounding ship distance and orientation, when entering the field of the vessel and the target ship to set the Safe distance, the realization of sound and light alarm, to avoid collision ship. Due to the overall system economy and accuracy, suitable for small and medium-sized ship demand.