

NO: SR-047
DATE: May 2014

PRODUCT: OS32C-__4M Safety Laser Scanner
TYPE: Product Release

Extended Range OS32C-__4M Safety Laser Scanner

Omron's OS32C series of safety laser scanner now has a new model with a coverage range of 4 meters for safety zones and 15 meters for warning zones. These extended ranges enhance current applications, for example:

- In stationary applications the OS32C-4M may now be used to guard larger horizontal or vertical areas.
- In AGV or similar mobile applications, these extended ranges can be used to allow higher vehicle speeds and/or the transport of larger overhanging loads, and when used in combination with the data measurement (DM) capability, achieve greater measurement accuracy in floor level navigation applications.

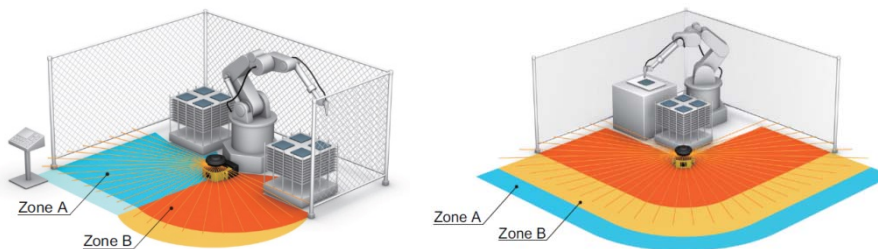


Main Advantages/Benefits

- **4 Meter Safety Range** to safeguard large work cells
- **EtherNet/IP™:** Allows on-demand real time monitoring of system operating status, including error diagnostics, which in turn allows users to quickly react to errors and/or intrusions.
- **Measurement Data:** May be used as an input to measurement and/or navigation algorithms, without disruption of the safety function.
- **70 Safety Zones, 140 Warning Zones.** Deployment of AGV systems is easy with OS32C, which is able to accommodate almost any level of route complexity with only eight zone select input connections.
- **Two-part Design:** The OS32C IO block may stay mounted when the sensor head is replaced, retaining the original configuration and mounting alignment. Such a replacement approach involves minimal machine down time.
- **External Diagnostic Indicators:** Determine scanner status quickly using the front dual seven segment indicator display, LED status indicators, and individual sector intrusion indicators.
- **Approvals:** Cat 3 and PL d (ISO13849-1: 2008), SIL 2 (IEC61508), Type 3(IEC61496-3)

Applications

Automotive Welding/Assembly Robot Cells and Transfer Lines: Require large area coverage and continuous operation (no false detections). The new OS32C with extended safety and warning detection ranges is the perfect solution for this application. In addition, the enhanced pollution tolerance mode will improve the detection capability and minimize nuisance tripping.



Material Handling Robot Cells, Palletizers: Very similar to welding/assembly cells. In applications requiring vertical mounting, OS32C is an optimal solution with minimal installation time/labor and easy configuration of protection area. The Reference Boundary mode (RBM) is required in vertical mounting to prevent tampering of the OS32C's mounting.



AGV Applications: For intelligent navigation AGV's need vast amounts of information. The OS32C offers up to 70 zone sets, EtherNet/IP high-speed communication and measurement data that users can use to program the AGV to navigate independently and safely with maximum versatility needed for diverse presence detection and collision avoidance.



In addition, OS32C safety laser scanners provide configurable object resolutions of 30, 40, 50 and 70 mm to accommodate hand and arm detection applications. They feature a compact 104.5 mm profile, light 1.3 kg weight and consume just 5 W power (3.75 W in standby mode).

OS32C-4M launch package includes:

- Launch Announcement
- Datasheet
- Press Release
- Power Point Presentation

Literature Support

Additional information can be obtained directly through the OSTI website at www.sti.com under PRODUCTS / SAFETY LASER SCANNERS / OS32C section. Or by following this link: <http://www.sti.com/products/OS32C/index.htm>

Sales Strategies

The 4M models of the OS32C scanner will be stocked at OSTI in Fremont California, these additional models are used in similar applications as the 3 meter version. The 4M will have a slightly higher list price. The 3 meter version will continue to be available. Previous OS3101 customers are the primary target, as the OS3101 will be discontinued in April 2014.

Availability/Lead Time

Release for orders: March 14th, 2014
Release for shipping: May 1st, 2014
Lead Time: RDP "A": stock to 5 days

Ordering Instructions for NEW Part Numbers

This product can be ordered through normal distribution channels.

Item Number	Model Number	Description
OS32C-BP-4M	40588-0011	OS32C Laser Scanner with 4M Range and Cable Access from the Back
OS32C-BP-DM-4M	40588-0013	OS32C Laser Scanner with 4M Range, EtherNet/IP, Measurement Data and Cable Access from the Back
OS32C-SP1-4M	40588-0021	OS32C Laser Scanner with EtherNet/IP and Cable Access from the Left Side
OS32C-SP1-DM-4M	40588-0023	OS32C Laser Scanner with EtherNet/IP, Measurement Data and Cable Access from the Left Side
OS32C-SN-4M	40654-0011	OS32C Spare Sensor with 4M Range, Without I/O Block
OS32C-SN-DM-4M	40654-0013	OS32C Spare Sensor with 4M Range, EtherNet/IP, Measurement Data, Without I/O Block