

Functions in a Compact Package



Manipulate

Sensor Controllers ZS-HLDC/LDC
Enable maximum sensing performance with fully digital processing.

Culmination of OMRON's lead-edge digital technology. Enables easy utilization of the ultimate in measurement performance.

Business card size
USB provided as a standard feature.

More P.12

Monitor

SmartMonitor Professional ZS-SW11E V3
Setting Software for the ZS Series

Meets a wide range of logging needs.
Supports high-speed simultaneous multichannel waveform graphs.
Excel macros provided for simple analysis.

More P.19

ZS-L Series

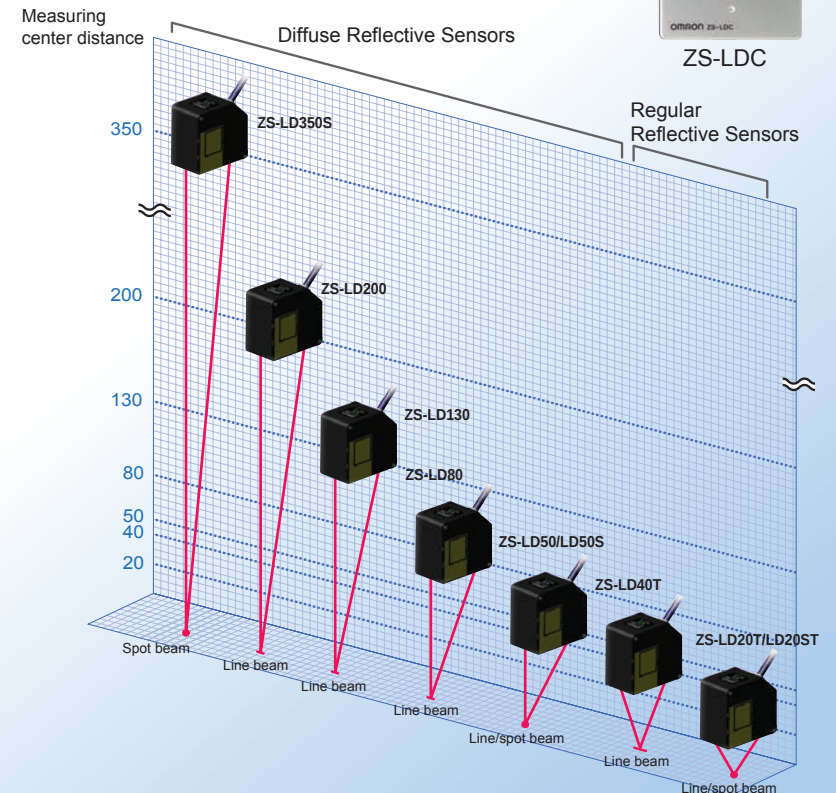
More P.14

Standard Sensors Most Suitable for a Variety of High-precision Displacement Measurements, Including Spot Detection, Wide-range Detection, and Long-distance Detection.

- Beam Shapes
Spot and line beam selection.
- Wide Range of Products
Long-range, middle-range, and short-range models.



ZS-LDC



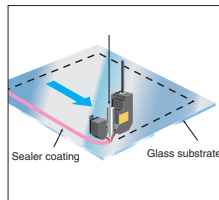
Main Applications

High Performance Very High-performance Sensors that Support Core Quality from Very Long-range to Extremely Precise Measurements

ZS-HL Series

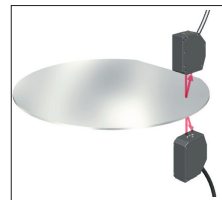


ZS-LD10GT/LD15GT



Ideal for measuring and controlling dispenser nozzle gaps when applying sealer.

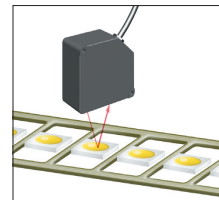
ZS-HLDS2T*



Ideal for measuring the thickness of silicone or compound semiconductor wafers in polishing and testing processes.

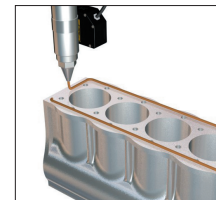
* Orders will be accepted until the end of August 2019.

ZS-HLDS2VT



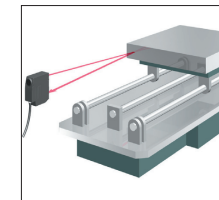
Ideal for measuring the potting resin height for electronic components.

ZS-HLDS5T



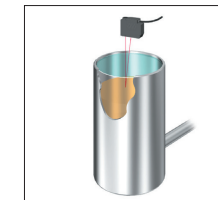
Ideal for measuring liquid gasket (FPIG) application amounts. Prevents defects such as insufficient seal.

ZS-HLDS10



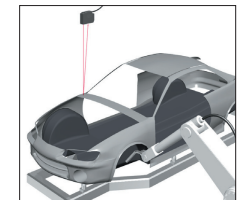
Ideal for confirming positioning and repeatability accuracy of XY stages.

ZS-HLDS60



Ideal for level detection for liquid crystal coat and PDP fluorescent substances.

ZS-HLDS150



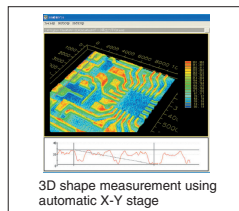
Protruding objects and steps can be measured from a distance for measurement objects that cannot be accessed easily.

Standard

ZS-L Series

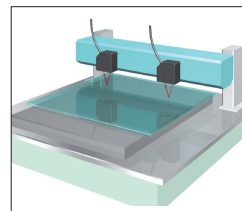


ZS-LD20ST



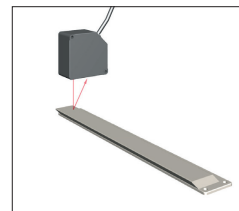
Ideal for measurements requiring discrimination between minute parts or fine shape repeatability.

ZS-LD40T



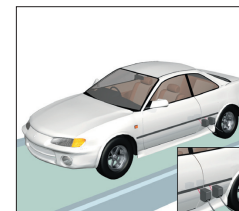
Ideal for measuring glass thickness and nozzle gaps when coating glass with resist or sealer.

ZS-LD50/LD80



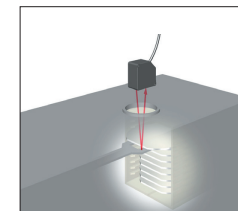
Ideal for measuring the warp of resin blades in copy machine toners.

ZS-LD200



Ideal for checking the precision of door installations.

ZS-LD350S



Ideal for checking the flatness of robot arms that transport wafers in load ports.

Standard Sensors Ideal for a Variety of High-precision Displacement Measurements, Including Spot Detection, Wide-range Detection, and Long-distance Detection