

Save Time Save Expense Improve Yields

Semiconductor fabs and OEMs worldwide value the accuracy, precision and versatility of Nordson TEST & INSPECTION's semiconductor measurement devices. The most efficient and effective measurement devices for tool optimization, stabilization and standardization.



EX-83Q and EX-93Q have one laser diode.

EX-Q

Wafer Mapping Sensor

Metrology Sensors

The EX-Q wafer mapping sensor, featuring reflective laser technology, enables quick and reliable detection of semiconductor wafers and slotting errors in cassettes or FOUPs.

Available in four standoff distances, the EX-Q easily mounts on robots and is adaptable to a wide array of mapping applications, offering both on and off-center wafer scans. It can accommodate mixed wafer batches — for example, dark or coated wafers can be combined with bright wafers — and is compatible with flatted or notched wafers of any size, including 300mm.



www.nordson.com/TestInspect



Dark or Coated Wafers

Excels at detecting dark or coated wafers at factory gain setting.

- Laser transmitters and receivers are fine-tuned for maximum sensitivity while still maintaining Class 1 status.
- Easy to use "off-the-shelf" direct interface requires no amplification or signal conditioning and reduces tool total cost of ownership.

Reliably Detects

Cross-slotted and ultra-thin wafers.

 Thin laser stripe (0.05mm) combined with multiple apertures and spatial filtering reduces noise, improving mapping accuracy. Accommodates all SEMI[®] standard wafers, regardless of size or edge geometry, through Patented Dual and Wide Beam technologies.

Insensitive to Interference

Insensitive to interference from the mapping environment.

- Beam geometry and built-in ambient light filters minimize stray reflections and ambient lighting influences.
- The non-intrusive wafer mapping solution protects valuable wafers from inadvertent crashes.
- There are no moving parts that can result in particulate contamination.

For more information, speak with your Nordson representative or contact your Nordson regional office

Nordson Test & Inspection Europe, SEA, Africa ti-sales-eu@nordson.com

Nordson Test & Inspection Americas ti-sales-us@nordson.com

Nordson Test & Inspection China

Nordson Test & Inspection Japan ti-sales-jp@nordson.com

Nordson Test & Inspection Singapore ti-sales-eu@nordson.com

Nordson Test & Inspection Taiwan ti-sales-tw@nordson.com

Nordson Test & Inspection Korea ti-sales-korea@nordson.com





Careful alignment and adjustment of the sensor is required for optimal performance. Read the instructions before installation. Failure to properly install, align, or use the EX-Q wafer mapping sensor may reduce its performance.

EX-Q laser photoelectric sensors contain no user-serviceable parts. Refer all servicing to Nordson Corporation. Semiconductor lasers used in the EX-Q wafer mapping sensor generate Class 1 invisible laser radiation. Avoid looking directly at the laser beam.

These sensors conform to IEC 60825-1 (2001-08) (laser safety) and to the laser safety requirements of SEMI S2-0200.



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