

WL10 Optical Leak Sensor

Compact, reliable liquid leak detection for critical equipment and tight installation spaces.

The WL10 series from Nidec Components brings highly reliable spot-type optical leak detection to applications where conventional sensors can struggle. Its ultra-compact design, direct optical detection, and standalone operation make it ideal for next-generation equipment.



Ultra-Compact



No External Amplifier



Direct Optical Detection



IP67 / Global Compliance

WHY WL10?



Fits in Tight Spaces

Its ultra-compact and thin design allows installation in narrow gaps and space-constrained equipment.



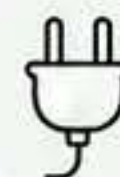
Immune to Light Interference

Advanced optical technology helps reduce false readings caused by reflections and surrounding light.



No Shading Plate Needed

Direct detection eliminates the need for a physical shading plate and avoids issues caused by surface tension barriers.



Standalone Operation

No external amplifier is required, enabling simple plug-and-play integration into equipment.

INSTANT VISUAL FEEDBACK



● Normal



● Leak



Open-collector output for easy ON/OFF control and system integration.

BUILT FOR DEMANDING ENVIRONMENTS



Chemical Resistant Options

PFA material options available for harsh fluids.



Fast Response

Detect leaks quickly for better equipment protection.



Waterproof

IP67-rated construction supports reliable use in industrial environments.



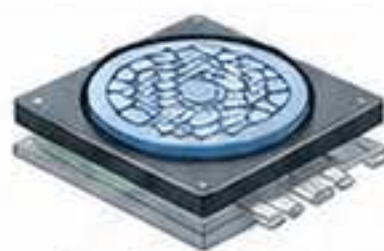
Global Compliance

RoHS compliant and available with UL / CE related conformity marks.

IDEAL APPLICATIONS



AI Servers & Liquid Cooling



Semiconductor Equipment



Medical Devices



Industrial Machinery

WHY IT MATTERS

- ✓ Helps detect leaks before they lead to costly downtime
- ✓ Supports safer operation of critical cooling and fluid systems
- ✓ Simplifies installation in compact equipment designs
- ✓ Reduces system complexity with standalone optical sensing



Looking for detailed specifications or application support?

Contact us to discuss how WL10 can support your equipment design.

Contact Nidec Components >