Panasonic Industry Europe GmbH

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**For accurate measurement and predictive maintenance: HL-G2 sensor series**  
  
Panasonic Industry complements its laser measurement sensor range

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With the HL-G2 series, Panasonic Industry expands its laser measurement sensor portfolio with high-accuracy sensors. The series stands out with a resolution of up to 0.5µm, a linearity of ±0.05% F.S and a high-speed sampling of 100µs.

Thanks to the integrated controller there is no need to search for the right product combination which saves time and reduces the installation space and efforts as well as the needed space in the warehouse.

The different sensors of the HL-G2 series cover a measurement range of 25mm to 400mm and are suitable for tasks requiring high-accuracy measurements, such as the control of dispenser.

Angelika Selzle, Product Manager for sensors at Panasonic Industry, points out another very interesting application for the HL-G2: “Predictive maintenance is one of the major topics for machine builders to reduce downtimes and to enhance effectiveness. With the HL-G2 series you can easily set up a predictive maintenance framework: The sensors inspect the part of the machine in question, for example the blade of a cutting tool, and measure the thickness of that blade permanently. If the thickness falls below a predefined value, it is time for changing the blade to prevent bad cutting results.”

Especially useful for such an application is the manufacturer-independent communication via EtherNet/IP and the fact that the HL-G2 series outputs the measurement data directly in digital format. The last-mentioned feature eliminates the risk of errors when analog values need to be converted into digital values.

For more information about this versatile sensor series visit [HL-G2 | Panasonic Industy Europe](https://industry.panasonic.eu/products/automation-devices-solutions/sensors-factory-automation/measurement-sensors/hl-g2-measurement-sensor)

**About Panasonic Industry Europe GmbH**

Panasonic Industry Europe GmbH is part of the global Panasonic Industry organization, one of the eight major operating companies within Panasonic Holding. Panasonic Industry Europe provides products and services for industrial customers all over Europe.

Panasonic Industry Europe is committed to enabling customers to achieve their goals in a broad range of industrial sectors such as mobility, infrastructure, automation, medical, appliances, smart living, and security. With the know-how of devices and solution technologies, cultivated through a global mindset and over a century of tradition, Panasonic Industry collaborates closely with customers to create a sustainable future.

Panasonic Industry Europe’s broad and diverse product portfolio encompasses key electronic component sectors including electromechanical and passive components, batteries and other energy products, sensors and wireless connectivity modules, thermal management materials and custom solutions, as well as automation devices & solutions.

More about Panasonic Industry Europe: **http://industry.panasonic.eu**

**About the Panasonic Group**

Founded in 1918 and today a global leader in developing innovative technologies and solutions for wide-ranging applications in the consumer electronics, housing, automotive, industry, communications, and energy sectors worldwide, the Panasonic Group switched to an operating company system on April 1, 2022, with Panasonic Holdings Corporation serving as a holding company and eight companies positioned under its umbrella.

The Group reported consolidated net sales of Euro 54.12 billion (8,496.4 billion yen) for the year ended March 31, 2024. To learn more about the Panasonic Group, please visit: **https://holdings.panasonic/global/**