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Some like it hot – New laser distance meters from Jenoptik for measurement on hot surfaces

Laser Distance Meters of the new LUMOS Product Family are particularly suitable for distance measurement on hot surfaces, for example, glowing steel, and for outdoor use in bright lighting conditions.

The new LUMOS Laser Sensors measure and monitor distances up to 500 meters – accurate to the millimeter. Of compact design, they work with visible red laser light at the wavelength of 635 nanometers. A special measuring procedure facilitates reliable measurement, notably, on hot surfaces and in environments with a high percentage of stray light/constant light. Generally, almost any natural surface, including liquids, can be a suitable measuring target. Maximum range performance is reached with measurement on special targets, for example, commercial types of reflector foil.

Simple and flexible system integration, convenient operation

LUMOS Distance Meters are designed to meet IP67 Internal Protection Standards for optimal system integration in the automation engineering solutions. Available interfacing options are: RS232, RS422, RS485, SSI and profibus. Digital switching outputs, triggers and analog data output are included as standard configuration features. For convenient parameterization and data display, the LUMOS Family is equipped with a display, a keypad and status LEDs.

A sensor for a wide variety of applications

Typical applications of LUMOS-series distance measuring devices are the measurement and tracking of the positions and physical dimensions of goods and semifinished products, for example, in the steel working industry, in rolling mills and in general automation engineering. LUMOS sensors are also capable of monitoring the fill level or position of vehicles, conveyor or feeder systems.



LUMOS Laser Distance Meters. Images: Jenoptik
High resolution press images for download:
<http://www.jenoptik.com/en-sensorsystems-press-photos>

LUMOS – an extension to Jenoptik’s industrial laser sensor range

The new LUMOS Laser Distance Meter family takes its place within the Jenoptik product line of field-proven LDM laser distance measuring sensors that cover a wide range of industrial applications worldwide.

For further information about the new LUMOS Family and the LDM Product Line, please visit our website at: <http://www.jenoptik.com/lasersensors> or contact us directly.

LUMOS at the SPS/IPC/DRIVES 2012

You can visit us at exhibition stand 608 of hall 7A at the SPS/IPC/DRIVES in Nürnberg from November 27 to 29, 2012 to learn more details about the LUMOS Laser Distance Meters.

The new LUMOS Laser Distance Meters will be available from the second quarter of 2013.



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About Jenoptik and the Jenoptik-division Defense and Civil Systems

As an integrated optoelectronics company Jenoptik engages actively in the five segments Laser & Material Processing, Optical Systems, Industrial Metrology, Traffic Solutions, and Defense & Civil Systems. The company serves customers in the semiconductor and semiconductor equipment industries, in the automotive and automotive supplier industries, in the medical, security, and defense technology industries, and in the aviation industry.

Focus areas of the division Defense & Civil Systems are vehicle and aviation equipment, drive and stabilization technologies, optoelectronic instruments, systems for the defense and security industries, as well as versatile and innovative sensors and measurement solutions for industrial control and automation.

Jenoptik's expertise in development and production of laser rangefinders for various applications builds on more than 30 years of experience. The successful laser distance meters and sensors already are integrated into industrial system solutions by many notable partners worldwide.

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