

# Alrad Electronics

Press Release

June 2011

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## Title: LAP measurement systems – non contact displacement measurement.

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LAP laser sensors measure dimensions without touching the object's surface. Production processes can be monitored continuously, ensuring quality and reducing rejects.

LAP measurement systems are flexible and easy to integrate, with very capable software.

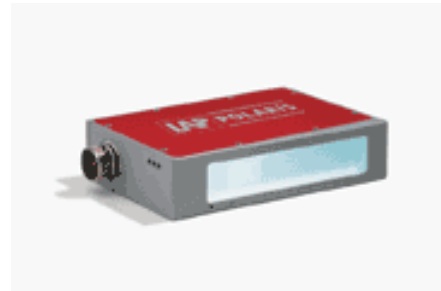
Having no contact with the object to be measured lets the user work with soft, sticky, hot or other sensitive surfaces. There will be no wear and tear at the sensor. Keeping the sensors' windows clean can be done by air purging.

All systems incorporate laser triangulation sensors. Measurements of displacement, thickness, width and height, etc can be made.

Depending on the type of system purchased, measurement ranges from 0.2mm to 4000mm are possible and accuracies down to  $\pm 0.1$  micron can be achieved.

Based on a Digital Signal Processor (DSP) the intelligent sensor controls the exposure of the CCD and the output power of the laser source. Because of this, LAP laser sensors measure extremely precisely and quickly, even if surface characteristics like colour or reflectivity are changing. Parameters such as measurement speed or filters are handled directly in the sensor's DSP.

More information is available at the Alrad web site [www.alrad.co.uk](http://www.alrad.co.uk).



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