

PRESS RELEASE

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Infrared thermometer combines minimised electronic with innovative LED display

Berlin, 22 June 2011. Optris GmbH introduces the new optris CSmicro series from which especially OEM customers will benefit according to the great product potential of these infrared thermometers. The improved price-performance-ratio supports the integration of the devices within OEM solutions and the simultaneous operation of the measurement devices at several infrared measuring points.

The usage of the compact pyrometers within the automotive area is versatile. The infrared thermometers can be included within e.g. mobile paint dryers for temperature control or during laminating and welding process of plastic parts to ensure a constant process and quality monitoring.

The innovative temperature sensors cover a temperature range from -40°C to 1600°C and are available with the new, innovative LED display. The display at the separate electronic serves as a target help for the sensor adjustment as well as to show the condition of the pyrometer (e.g. overheating of the sensor). Additionally, a visual alarm can take place parallel to the new alarm output at the device (open collector). A temperature code indication completes the innovative concept.

The electronic is located within the cable of all infrared thermometers of the new optris CSmicro series. The electronic consists of a size of only 31x12 mm and was reduced by 25%. Moreover, Optris sets new benchmarks regarding the size and robustness of the sensing heads within the area of industrial infrared thermometers. The miniaturized sensing heads are developed for the use in cramped and small surroundings. The robust, superior design allows the operation with temperatures up to 180°C without cooling. This benefit accounts to a reduction of cost for mechanical installations.

The pyrometer of the optris CSmicro series offer additionally to the in industry widely used analog two-wire interface (4-20 mA current loop) the possibility of sending digital data via an USB interface to a connected PC. Beside a temperature recording via the integration of this sensor into the optris CompactConnect software a complete programming and remote setup can be done.

Optris GmbH

Technology company Optris GmbH is specialized in the development, production and sales of non-contact temperature measurement via infrared. The product range covers portable infrared thermometers, stationary infrared industry thermometer as well as infrared cameras and calibration sources. All pyrometer set new benchmarks for the application at OEM solutions and multiple applications.

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