



**Press Release**

**June 2010**

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**Title: The MD-0003 makes non-contact temperature sensing easier.**

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The Dexter MD-0003 Temperature Sensor Module (TSM) infrared thermometer is the low cost solution for non-contact temperature measurements. The sensor is integrated with signal conditioning that reliably produces a calibrated temperature output in a plug-and-play package having many options.



Programmable outputs and flexible power requirements yield a turnkey solution for medical, consumer, commercial and industrial applications.

The MD-0003 has a low noise amplifier, 17-bit high resolution ADC and powerful DSP and very accurate non-contact temperature measurements can be achieved.

Factory Calibrated object and ambient temperatures is available in RAM of a TSM accessible by the industry standard serial SMBus protocol or via 10-bit PWM (Pulse Width Modulated) output of the device. The SMBus allows for multiple zone temperature control – up to 100 sensors can be read via four common wires.

We offer customers an evaluation kit (MD-0004) to allow customers to configure the TSM for virtually any application quickly. Customers can quickly evaluate the TSM for temperature ranges, optics, etc. to find the best configuration to meet their application needs without the need to design any additional hardware. Once the best configuration is established, customers can easily configure the TSM for their own use. The communication between PC and the evaluation board is accomplished via USB.

More information available from our website [www.alrad.co.uk](http://www.alrad.co.uk)

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