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# Adjustable Emissivity Increases Accuracy of the ennoLogic eT650D IR Thermometer

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Different materials radiate energy at different rates; therefore, when using an infrared thermometer, an adjustable emissivity setting delivers more accurate results. The ennoLogic eT650D infrared thermometer allows users to adjust the emissivity which enables users to get accurate measurements from a variety of materials.



Eugene, United States – November 27, 2017 /PressCable/ —

From automotive diagnostics and detecting air loss around windows and doors to cooking and candle making, the versatility of the ennoLogic eT650D infrared thermometer gives users the ability to quickly and accurately take surface measurements for a wide range of purposes.

The ennoLogic eT650D temperature features an adjustable emissivity setting that allows users to take more accurate measurements on a variety of different materials.

Emissivity is the ability of an object to radiate infrared energy. Emissivity compares the thermal radiation of material to that of a blackbody—or a perfect emitter—that has an emissivity rating of 1.00. Because not all materials are perfect emitters, the emissivity of the object being measured must be considered when using an infrared thermometer.

“An object with a shiny metal surface radiates less infrared thermal energy than the same object that is a dull black,” explains Chris Johnston of ennoLogic. “Therefore, the rate at which the object emits infrared radiation must be factored into the temperature reading to increase accuracy.”

[Read more about emissivity and see the recommended emissivity setting for common materials on the ennoLogic website.](#)

“The ennoLogic laser thermometer allows users to adjust the emissivity setting that is appropriate for the surface material of the object being measured,” adds Chris Johnston. “This helps users garner more accurate results when measuring the surface level of various materials.”

The ennoLogic eT650D allows the emissivity setting to be adjusted in the 0.10 to 1.00 range. This enables users to consider the emissivity of the material being measured before taking a temperature reading and increases the accuracy of the measurement. For example, polished metals, such

as a stainless-steel pan, tend to reflect infrared energy and have a lower emissivity rating. Therefore, if a measurement was taken at a fixed emissivity setting, it would give a false temperature reading. But, with the ennoLogic eT650D IR temperature gun, users can adjust the emissivity setting as low as 0.10 and get a more accurate temperature reading.

The adjustable emissivity feature of the ennoLogic eT650D laser thermometer allows users to get accurate temperature readings on a variety of materials making it a tool that can be used for many purposes.

About ennoLogic: ennoLogic is a brand of high-quality electronics products with a focus on measurement and test instruments. The brand's goal is to offer reliable, accurate, high-quality technology products at affordable prices, backed by exceptional customer service and support. The ennoLogic brand was founded in 2013 in Eugene, Oregon.

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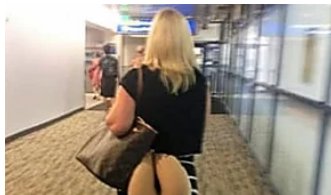
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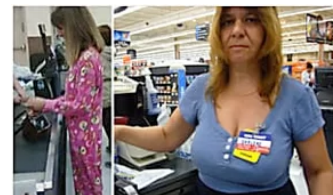
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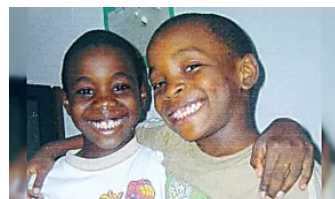
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