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## The ennoLogic eT650D Infrared Thermometer – The Perfect Tool for Soap Makers

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The ability to quickly measure temperatures of the ingredient mixtures during the complex process of soap making helps soap makers get great results. The eT650D infrared temperature gun by ennoLogic is a non-contact tool for scanning mixtures at precise temperatures needed to produce high-quality soaps.





Eugene, United States - November 16, 2017 /PressCable/ —

As soap makers know, the temperatures of the oil and lye mixtures have a significant outcome on the quality of the soap produced. Low or high temperatures cause several different problems during the saponification phase which leads to imperfect and even unsafe results.

Low temperatures in the lye or oil mixture cause the oil mixture to solidify too quickly. If this occurs, it causes problems during the saponification process. On the other hand, if the lye temperature is too hot, the saponification process speeds up dramatically which is problematic for more complex soaping techniques.

Fortunately, soap makers can rely on an infrared thermometer to check temperatures throughout the soap making process. The eT650D non-contact infrared thermometer by ennoLogic proves to be an essential tool for any soap maker. Using the hold and scan features of the thermometer allows soap makers to work 'hands free' allowing the thermometer to continually scan from a stationary position while they combine ingredients.

"Because the success of the soap making process depends heavily on the temperature of the mixtures, ennoLogic's eT650D infrared temperature gun provides soap makers with a valuable tool to help produce great soap," says Chris Johnston of ennoLogic.

For most recipes, the optimal temperatures for the soaping lye and oils are between 120°F to 130°F. Many soap makers believe that oil and lye-water should be within 10 degrees Fahrenheit of each other to begin the mixing process.

Because adding lye to water causes an exothermic reaction, the temperature of the lye-water mixture can quickly rise to around 200°F. As all soap makers know, the only safe way to mix water and lye is to add lye to water and never the reverse. This is where the old

saying “Add water to lye and you could die” originates. While it’s unlikely anyone will die, the consequences can be extremely volatile and could certainly cause injury.

Once the lye has been added to the water, the next step is combining the lye-water with the soap making oils. To mix the lye-water mixture with the oils, soap makers need to carefully monitor the temperature of both mixtures to make sure they measure within a 10°F range of each other before combining.

“The non-contact infrared thermometer allows soap makers to scan the temperature of the mixtures as they are combining them and set the alarm mode to activate an audible alarm indicating when the desired temperature has been reached,” adds Johnston.

With such a complex process as soap making, an infrared thermometer allows soap makers to easily measure precise temperatures throughout the process, which help produce the best results. The infrared thermometer is available for purchase at Amazon.com as well as on the ennoLogic website.

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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## California regulators nix rules limiting carmaker liability

Dec 1, 2017

California regulators have nixed a plan to let self-driving car manufacturers evade liability for crashes if the vehicle hasn't been maintained according to manufacturer specifications. The new rules released this week delete a provision that was suggested by General Motors, according to Consumer Watchdog, a non-profit advocacy group. John Simpson, the group's privacy and technology director, called the change a "major victory for consumers." He said the rules could have absolved car makers of accident responsibility if a car owner hadn't cleaned his sensors appropriately. California Department of Motor Vehicles spokeswoman Jessica Gonzalez said the change came after a thoughtful...

## Seoul: N. Korea's new missile could reach Washington

Dec 1, 2017

SEOUL, South Korea — Two days after North Korea test-launched its most powerful missile to date, a clearer picture is emerging of Pyongyang's impressive technological achievement — and what still remains before it can legitimately threaten the continental United States. Many questions remain, but there's broad agreement from government and outside analyses that the huge Hwasong-15 intercontinental ballistic missile represents a significant step forward, putting the North very close to its goal of a viable arsenal of nuclear-tipped long-range missiles — maybe as early as the middle of next year. The two-stage liquid-fuel missile fired Wednesday is potentially capable of...

## Electrics and SUVs are main attraction at LA Auto Show

Dec 1, 2017

LOS ANGELES — Automakers often debut their most fuel-efficient vehicles at the Los Angeles Auto Show, and this year is no exception. Volkswagen is showing off its I.D. Crozz, a pre-production electric SUV, and says it will go on sale in the U.S. by 2020. Land Rover, Porsche and Kia took the wraps off plug-in hybrids. Even the iconic Jeep Wrangler will get a hybrid version sometime after it goes on sale in January. California buyers purchase a higher percentage of hybrids and electrics than the U.S. as a whole thanks to state tax credits and other incentives. Nearly 50...

## GM to launch self-driving vehicles in big US cities in 2019

Dec 1, 2017

DETROIT — General Motors Co. expects to carry passengers and deliver goods with self-driving vehicles in big cities sometime in 2019, telling investors it's moving quickly and plans to be ahead of other automakers and tech companies. The Detroit automaker made the announcement at an investor presentation in San Francisco Thursday, saying that based on its current rate of change, it expects "commercial launch at scale" of the autonomous vehicles within the next year or so. The vehicles would not have a human backup driver, the company said. Company executives didn't say how many vehicles GM would deploy or what...

## Researchers use advanced technology to study child mummy

Dec 1, 2017

LEMONT, Ill. — Researchers from Northwestern University and Argonne National Laboratory near Chicago are using advanced technology to unwrap the mysteries of an 1,800-year-old mummy. They say the high-energy X-ray beams from a synchrotron will provide molecular information about what is inside the mummy of the little girl. Argonne says it's the first time the beams have been used in this way. Researchers say the technology allows them to study what's inside the mummy while leaving the 5-year-old girl's remains and wrappings intact. Scientists examined the rare find on Monday in the hopes of learning more about how the girl...

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Weather, 01 December

## Houston Weather

**+23** High: +25° Low: +10° Humidity: 45%  
Wind: NE - 7 KPH

## Canberra Weather

**+19** High: +19° Low: +12° Humidity: 99%  
Wind: NNW - 17 KPH

## Roissy-en-France Weather

**0** High: +1° Low: -6° Humidity: 93%  
Wind: N - 9 KPH

## Florence Weather

**-3** High: +5° Low: +1° Humidity: 93%  
Wind: ENE - 16 KPH

## Parga Weather

**+15** High: +17° Low: +14° Humidity: 100%  
Wind: SE - 12 KPH



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