

Tempa•DOT™

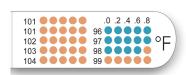
THE CHEMISTRY BEHIND THE BRAND

Medical Indicators' thermometers utilize an innovative and proprietary chemistry system to safely and accurately measure body temperature. Precision Phase Change Technology (PPCT) is used in our thermometers in one of two ways: through our NexTemp Liquid Crystal Technology™, which is used in our NexTemp® and TraxIt® line of thermometers, or through Tempa•DOT®'s Solid Crystal Technology.

In both cases, PPCT is used in a dot matrix that is comprised of heat-sensitive crystals. These crystals contain a unique formulation of chemistry that is designed to react, or change color, at a specific temperature. Each dot has been custom formulated to react and change color at its precise temperature point that is accurate to ± 0.2 °F/ ± 0.1 °C – which is the highest level of accuracy attainable in any thermometer on the market today. The number of dots that fire is dependent upon a patient's temperature – with the last dot to fire, or change color, providing the accurate reading.

For NexTemp® and TraxIt® thermometers when the dots fire, their color changes from green to black; and with Tempa•DOT® thermometers, the colors will change from tan to blue.





mind knowing that our thermometers are safe, reliable, and accurate. Our thermometers undergo two-stage precision accuracy testing throughout the manufacturing process to ensure we meet the requirements of both nationally and internationally-recognized testing standards. We aslo utilize precision-calibrate water baths to confirm their accuracy and reliability and implement routine testing of our FDA & ISO certified production facility.

PPCT is a remarkable innovation that allows Medical Indicators to provide users with peace of