

Cutting-Edge Molecular Spin Transition Compound for Ultra-Precise Temperature Detection

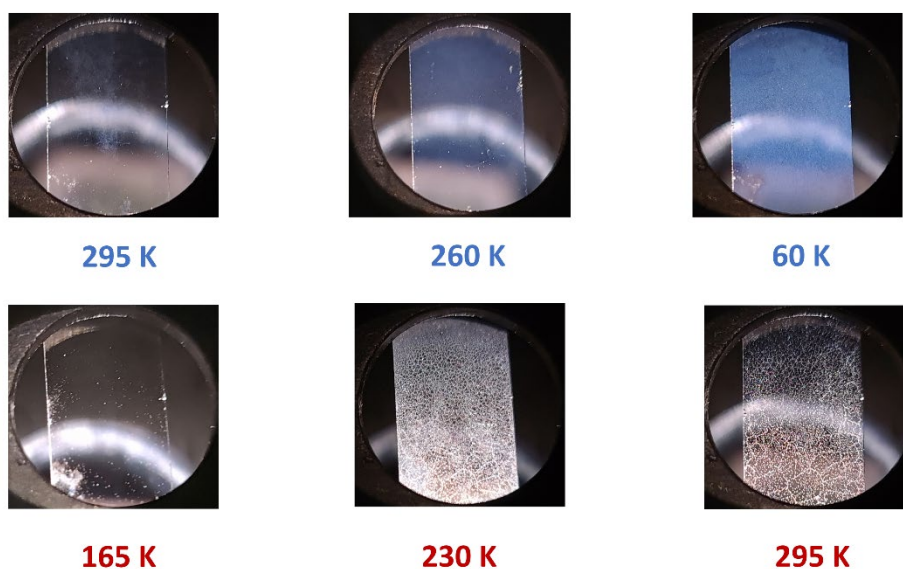


Figure 1 Irreversible changes that occur in the film to the naked eye during the complete thermal cycle between 300 and 60 K (cooling and heating).

Applications: Nanometric temperature sensors, Smart labels for cold chain loss detection, High-precision scientific instrumentation, Thermometers for remote measurements

FEATURES	BENEFITS
<ul style="list-style-type: none"> • High sensitivity for detecting temperature changes. 	<ul style="list-style-type: none"> • Facilitates precise detection of minimal temperature changes, even below a tenth of a degree.
<ul style="list-style-type: none"> • Ease of integration into devices and temperature measurement systems due to its film arrangement. 	<ul style="list-style-type: none"> • Enables efficient integration into a variety of devices and systems for temperature measurement applications.
<ul style="list-style-type: none"> • Possibility of device and optical sensor miniaturization. 	<ul style="list-style-type: none"> • Allows for the creation of compact devices and sensors for applications where space is limited.
<ul style="list-style-type: none"> • Quick response to temperature changes due to minimal thermal inertia. 	<ul style="list-style-type: none"> • Ensures real-time, accurate measurements, crucial for applications requiring a fast response.
<ul style="list-style-type: none"> • Greater durability and stability in measurements over time. 	<ul style="list-style-type: none"> • Ensures consistent and reliable measurements over an extended period, prolonging device lifespan.

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- Licensing
- Co-development
- Consulting

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230803

Industry Categories:

Sensors, Electronics

