

NON REVERSIBLE TEMPERATURE LABEL

MADE IN JAPAN

An exciting new realm of
temperature monitoring



NiGK Corporation

Solutions for quality control and temperature

Temperature is an important factor in all of our lives, supporting safety and quality in every field and category of business. Temperature monitoring is indispensable in fields such as process control, quality assurance, maintenance of machine/machinery, distribution, and infrastructure.

Temperature Label requires no power supply no specific technology.

Just by applying the Temperature Label, you can quickly note temperature changes just by looking.

NiGK provides quality control and temperature monitoring solutions for every profession.



Product Features

Lamination

Laminate protects the indicator from dirt and water. The laminate is a highly visible orange.

Self-adhesive

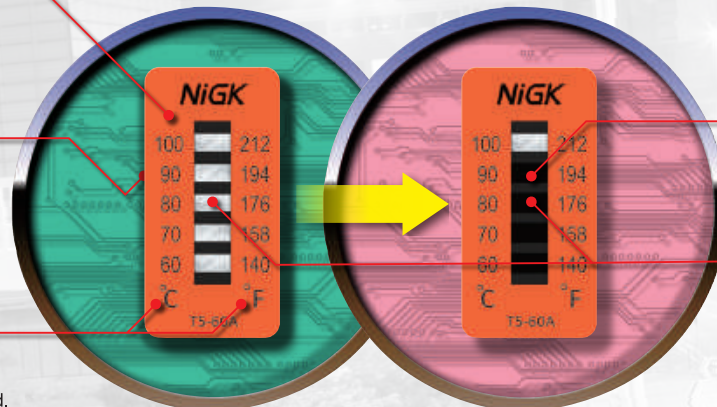
An adhesive on the reverse side allows the Temperature Label to be easily applied just by peeling the backing.

Dual temperature scale

The Celsius temperature scale is easily noted and the corresponding Fahrenheit temperature is also displayed.

Before

After



Non-reversible

Once the temperature rises above a set point the temperature indicator does not erase the reading so past readings are not lost.

Indicator

As temperatures rise, the indicator will immediately change from white to black. (Such as when the monitored temperature rises above a desired set point.)

Examples of manufacturing processing uses:

- Semiconductors and electronic components
- Plastic components
- Rubber components (tires, etc.)
- Electric components for automobiles (lamps, meters, electronic circuits, ECU)
- Glass

Examples pertaining to maintenance management through temperature monitoring:

- Semiconductors and electronic components
- Power equipment at transformation installation and terminal connecting parts
- Distribution/control equipment
- Rotating mechanical parts such as motors, railroad axles
- Abnormal temperature monitoring of other in-factory facilities.

For other application examples, refer to this ▶



Lineup

The NiGK Temperature Labels lineup according to size and temperature range. An 8-point standard type, T8, capable of confirming temperature history in a wide range is optimum to identify the regulated temperature. Temperature labels T5, T3 and T1 are compact with the number of indicators narrowed down. Please select appropriate label that fits your needs.

3 Level 40 pcs per PACK

T3-60A Heat Range
 60°C → 80°C
 140°F → 176°F

3 Level 40 pcs per PACK

T3-70A Heat Range
 70°C → 90°C
 158°F → 194°F

3 Level 40 pcs per PACK

T3-80A Heat Range
 80°C → 100°C
 176°F → 212°F

3 Level 40 pcs per PACK

T3-100A Heat Range
 100°C → 120°C
 212°F → 248°F

5 Level 40 pcs per PACK

T5-60A Heat Range
 60°C → 100°C
 140°F → 212°F

5 Level 40 pcs per PACK

T5-50A Heat Range
 50°C → 90°C
 122°F → 194°F

8 Level 40 pcs per PACK

T8-50A Heat Range
 50°C → 120°C
 122°F → 248°F

1 Level 40 pcs per PACK

T1-70 Heat Range
 70°C → 158°F

COMING SOON!

Type	Temperature range (°C/°F)								
	(°C)	50	60	70	80	90	100	110	120
T8-50A	(°F)	122	140	158	176	194	212	230	248
T5-60A	(°C)		60	70	80	90	100		
	(°F)		140	158	176	194	212		
T5-50A	(°C)	50	60	70	80	90			
	(°F)	122	140	158	176	194			
T3-100A	(°C)						100	110	120
	(°F)						212	230	248
T3-80A	(°C)				80	90	100		
	(°F)				176	194	212		
T3-70A	(°C)			70	80	90			
	(°F)			158	176	194			
T3-60A	(°C)		60	70	80				
	(°F)		140	158	176				
T1-70	(°C)			70					
	(°F)			158					

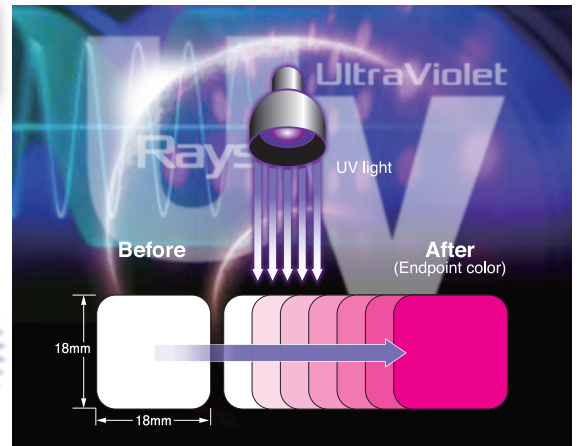
The label images shown above are only for illustrative purposes and do not refer to an actual result of discoloration at the time of temperature rise.

NON REVERSIBLE TEMPERATURE LABEL

UV indicating label For UV process control



The NiGK UV indicating label confirms exposure to ultraviolet radiation by means of color variation. On the NiGK UV indicating label, special ink is applied and changes color from chroma to colored when an ultraviolet ray is irradiated. Since the label is applied with an adhesive, it can only be used by attaching it to the place to be measured.



Major applications

- Determination of hardness of UV-cured resin (ink, paint, adhesives, etc.)
- Maintenance management of UV lamps (metal halide, mercury, ultraviolet lamps)
- Confirmation of irradiation of gamma and electron rays(S, H)



Other Thermo Labels

Weather-resistant label

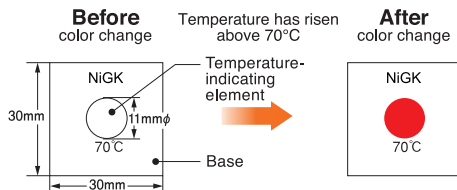
Suitable for those that need a Weather-resistant temperature label



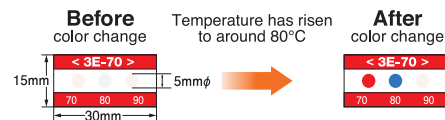
Since the NiGK Weather-resistant label is sealed by a heat-resistant film, it will not be affected by water, chemicals, oil or the environmental atmosphere.

If the desired use is for a prolonged period out of doors our NiGK Weather-resistant label should be considered.
*The illustrative example may differ a little from actual product design.

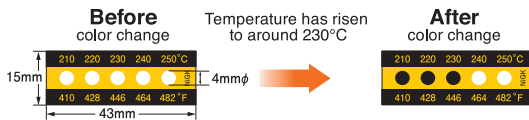
LI Single temperature Indicating Model



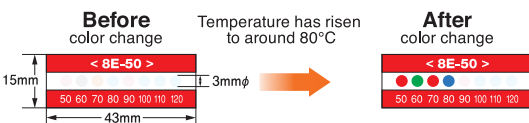
3E 3 temperatures at 10°C intervals



5E 5 temperatures at 5°C or 10°C intervals



8E 8 temperatures at 10°C intervals



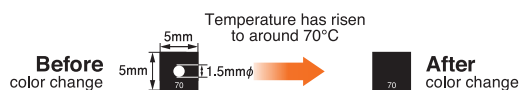
Small label

Suitable for temperature management of smaller parts and equipment

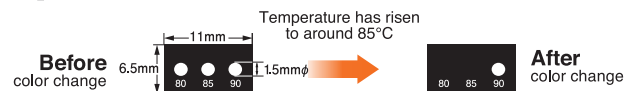


Since the indicator is very small, it is optimal for smaller parts and equipment. This small label has been used widely for precise electronics devices such as transistor, IC, condenser and temperature management of small motors.

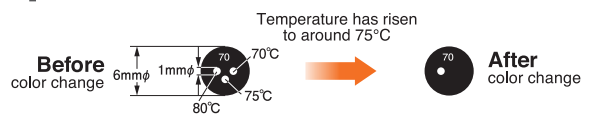
Super Mini 1K Mini-sized labels 5x5mm Single temperature indicating model



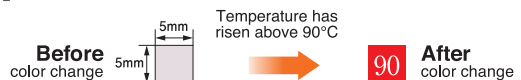
Super Mini 3K Mini-sized 3-temperature type



Super Mini 3R Round mini-sized 3-temperature type



Temperature Label Mini Ideal for monitoring the temperature of small parts



- We do not assume any responsibility for defect, damage, or injury caused when the label is used in a way deviating from the normal purpose of use or when the product has been modified.
- This product will not insure the temperature accuracy in all operating environments or usage.
- We do not bear any responsibility for malfunction with respect to performance due to process control or maintenance management through the use of this product.
- For details, refer to our website (URL or QR code).

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