

Temperature Detecting Marker

Thermo Marker 80

Patented product

**Loose
screws**

**Abnormal
heat**



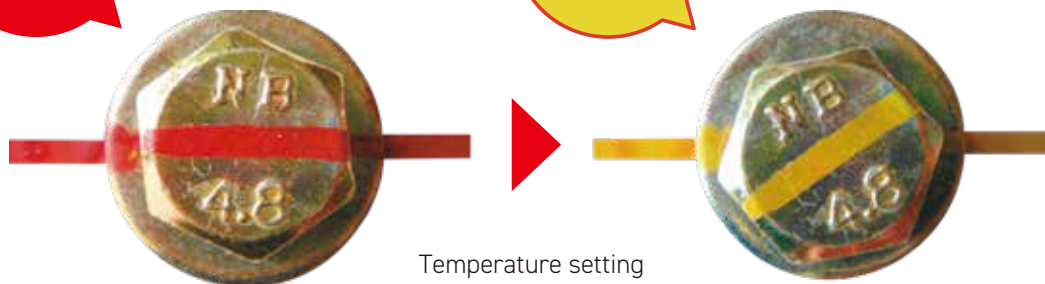
**Can check
at the same time!**

At normal
condition

Red

When
generating heat

Yellow



Temperature setting
80°C

Changes color from **Red** to **Yellow**
by detecting generation of abnormal heat !

Application

Detect abnormality by check mark!

Operation will be more efficient since check marks of connecting parts and temperature will be managed at the same time.

Can be used for heads of screws and surfaces of copper bars. Also can be used as substitutes for temperature indicating seals.



Feature

Irreversible type

It will start to change its color at 65°C or higher and will lock its color at 80°C or higher. The color will not return back to its original color under normal temperature. Therefore, upon inspection, even after shutting off power supplies, it is possible to easily detect portions where temperatures have exceeded over 80°C.

Color Changing Behavior						
Heating temp.	60°C	65°C	70°C	75°C	80°C	85°C
When temp. is increasing						
When cooling after rising temp.(23°C)						

Directions

- Please shake the pen several times before using. Press the tip of the pen slightly and continue to press it for a while to make sure that the ink is fully distributed to the tip before using.
- After initial usage, please shake and click several times before using.
- When color starts to fade, please press the tip of the pen firmly after shaking it vigorously to produce ink. Please be cautious of applying too much pressure.
- Please make sure to close the cap of the pen when not in use. If the tip of the pen becomes extremely dry, it should be disposed.

Note

- ◆ Please do not use for other than writing purposes.
- ◆ Not suitable for usage on chloroethylene products, certain rubbers, packing tapes, and Teflons.
- ◆ Due to the ink containing flammable products, please do not use near fire. Do not incinerate as a means of disposal. Please use it under ventilated conditions when used for a long period of time in a closed room.
- ◆ Do not leave the pen where direct sun light and high temperature is predicted. Also, keep out of reach of children. If swallowed, get medical help or contact a poison control center right away.
- ◆ Since the ink has a poor ability to resist light, please make sure not to expose the pen or portions written by the product to direct sun light. (This product is designed for indoor use and within a box usage.)
- ◆ Please note that letters written by this product have weaker adhesiveness than that of normal inks. Thus, it may peel off if scratched by hard objects such as adhesive tapes or finger nails.
- ◆ When a room temperature becomes -25°C, it may return to its original color.*

*We are not liable for any accidents or complications after usage.

*We reserve the right to change its specification for improvement without any notification in advance.