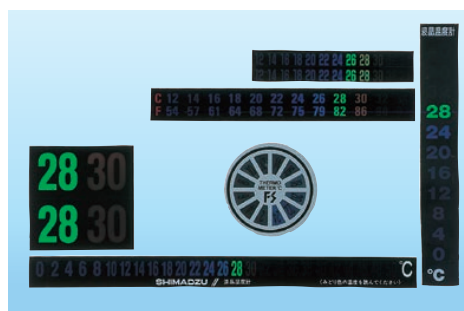


Features

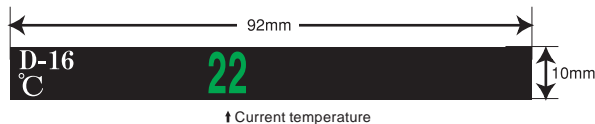
- Encapsulated liquid crystals are printed to polyester film using a special technique.
- Color changing occurs as numbers appear and disappear. Simply take the green number as the current temperature.
- The numbers change color in this order as the temperature rises: black → red-brown → green → blue → navy blue.
- As the temperature decreases, the numbers return to their original color in reverse order.

D

- Ascertain the current temperature from a liquid-crystal indicator



Example of a customized design



| Type | Temperature range °C | Temperature interval | Color-change accuracy | JAN code |
|-------|----------------------|----------------------|-----------------------|---------------|
| D-M20 | -20 ~ 0 | 2°C | ±1.0°C | 4582130422656 |
| D-M6 | -6 ~ 14 | | 4582130422663 | |
| D-06 | 6 ~ 34 | | 4582130422670 | |
| D-16 | 16 ~ 36 | | 4582130422687 | |
| D-38 | 38 ~ 58 | 5°C | ±2.0°C | 4582130422694 |
| D-50 | 50 ~ 100 | | | 4582130422700 |

30 labels per box

Reference Data

- Heat resistance
 D-M20 to D-50 (continued heating at 60°C): 1,000 hours at 60°C
 D-50 (continued heating at 120°C): 10 hours at 120°C
 (continued heating at 110°C): 30 hours at 110°C
 (continued heating at 100°C): 60 hours at 100°C
- Water resistance (submersion in water)
 Up to 3 hours
- Weather resistance
 Accelerated weathering test with weather meter
 D-M20: 50 hours D-06: 20 hours
 D-38: 50 hours D-M6: 20 hours
 D-16: 20 hours D-50: 50 hours
- Humidity resistance (below 70% relative humidity)
 No problems
 Water, heat and weather resistance can be enhanced by laminating with non-permeable film.
- Response speed
 Up to 1 sec.

Caution on Use

- If DIGITAL THERMO TAPE™ is left for long periods in areas exposed to direct sunlight or areas of high humidity, the UV light or moisture may affect the properties, and therefore the color-changing capability, of the liquid crystals.
- DIGITAL THERMO TAPE™ has no resistance to acids and alkalis.
- Avoid contact with organic solvents.
- With D-50, the numbers may start to pale if heated for around 10 hours at 100°C, but color-changing performance will not be affected.
- Also, green numbers may appear simultaneously in low- and high-temperature areas during temperature decrease. In this case, the higher temperature is the current temperature.
- As a guideline, this product should be used indoors and for up to 3 years.