

Thermometer

Principle:

A thermometer measures temperature based on the thermal expansion of a liquid (usually mercury or alcohol) inside a calibrated glass tube. The liquid expands as the temperature rises, indicating the temperature on a scale.

Features:

- Measurement range: up to 110 °C
- Graduated scale for precise readings
- Glass or metal body

Uses:

- Monitoring temperature in chemical reactions
- Checking water bath or heating setups
- Laboratory experiments requiring moderate heat control
- Educational and demonstration purposes

Advantages:

- Simple and easy to use
- Accurate for moderate temperature ranges
- No external power required