

**CEM DT-8663  
Dew Point Temperature Detector  
with Dual Laser Targeting**



**Description:**

This DT-8663 detector can measure the environment temperature, humidity and dew point temperature by one infrared sensor and another humidity sensor, can be used in the place of wall, carpet, warehouse and so on for finding the place of mildew, high or low temperature.

**Features:**

1. User selectable °C or °F
2. Dual laser targeting
3. Automatic data hold
4. Auto power off
5. White backlit LCD display
6. Over range indication
7. Trigger lock for continuous use
8. Max display
9. Optical Resolution 20:1 (8663)
10. Green LED light will change to yellow and red when reading close to Dew point Temperature.



This DT-8663 Infrared Dew Point Temperature Detectors are very visible for wet and dry proof. Their green LED light will change to yellow and red when reading close to Dew Point Temperature. It provides fast sampling and high accuracy, widely applicant in steel, oil & chemical, stove, environment testing, calibration Lab, gas production industry etc.



For example:

After switch on, measured environment temperature is 25°C, relative environment temperature is 50%, dew point temperature is 13.8.	
Green Light	Measure temperature is between 25°C - 21.2°C
Yellow Light	Measure temperature is between 21.3°C - 17.4°C
Red Light	Measure temperature is between 17.5°C - 13.8°C

### Specifications:

- IR Temp.
  - Range: -50°C to 380°C / -58°F to 716°F
  - Resolution: 0.1°C
  - Emissivity: 0.95
  - Basic Accuracy: ±1.0% of reading
- Response Time: Less than 150ms
- Spectral response: 8-14μm
- Humidity
  - Range: 0~100%RH
  - Basic Accuracy: ±3.5%RH (20%~80%RH)
- Dew Point Temp.
  - Range: -30~100°C/-22~199°F;
  - Basic Accuracy: ±2.0% of reading
- Wet Bulb Temp.
  - Range: -30~100°C/-22~199°F;
  - Basic Accuracy: ±2.0% of reading
- Optical Resolution: 20 : 1 (Distance : Spot)
- Operating Temp.: 0°C to 50°C / 32°F to 122°F
- Power Supply: 9V Battery
- Size(H\*W\*D): 82mm\*58mm\*168mm
- Weight: 163g

### Package Contents:

1. Dew Point Temperature Detector
2. User Manual
3. 9V Battery
4. Carrying Case