YORK Survey Supply

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YORK Survey Supply

Dual Laser Targeting Thermometer

Code: 320160

Operating Instructions

Dew Point Temperature Detector
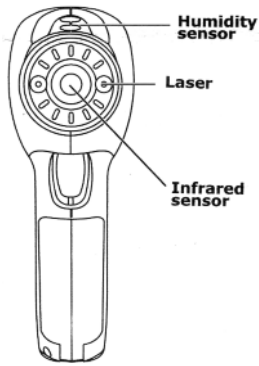## User's Guide

1. Description
The instrument can measure the environment temperature, humidity and dew point temperature, utilising one infrared sensor and one humidity sensor. It can be used on walls, carpets, in warehouses and so on, finding areas of mildew or high and low temperature.

• Red, green and blue LEDs change indicative colour automatically, according to the measuring result.
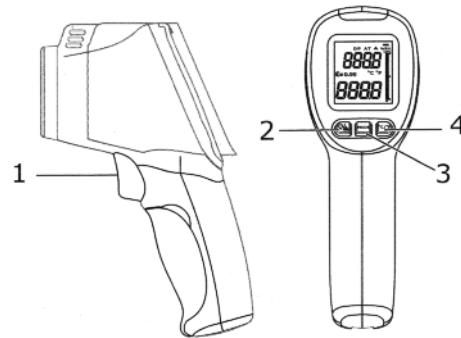• Dual laser targeting.

2. Safety
Do not use on flammable goods.
Do not clean instrument with corrosive liquid.
Use the correct battery (9V)
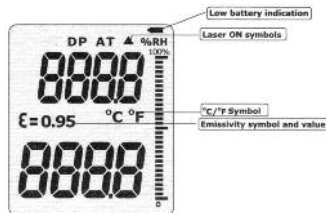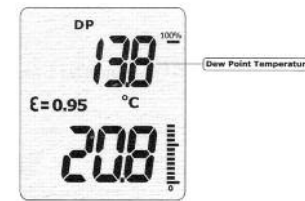
3. Operation

4. Buttons
1. Activation trigger (auto shut down after 15 minutes)
2. Backlight/laser button
3. MODE button
4. °C/°F button

LCD Interface Instruction

After turning on, the instrument will detect environment temperature, humidity and dew point temperature and display on the upper right of the LCD. Press MODE button to switch the display of environment temperature, humidity and dew point temperature.

Aim the instrument at the target object, move the detector slowly and get the temperature of the object. If the measured temperature falls between environment temperature and dew point temperature the LCD will indicate the D-value with environment temperature.

The instrument can detect the presence of mildew:
If the measured temperature is within the 1/3 range of the environment temperature to dew point temperature the green light will activate, indicating that the temperature is normal.
If the measured temperature is within the 2/3 range of the environment temperature to dew point temperature the yellow light will activate, indicating that mildew may form.
If the measured temperature exceeds the 2/3 range of the environment temperature to dew point temperature the red light will activate, indicating that mildew is present.

For example:
After switching on, measured environment temperature is 25°C, relative humidity is 50%, dew point temperature is 13.8
Green light: Measured temperature is between 25 - 21.2°C
Yellow light: Measured temperature is between 21.3 - 17.4°C
Red light: Measured temperature is between 17.5 - 13.8°C

5. Accuracy
Temperature range:	-50 to 350°C / -58 to 662°F	
Resolution:	0.1	
Emissivity:	Fixed, 0.95	
Temperature accuracy:	-50 to 20°C / -58 to 32°F	±3.5°C
	20 to 350°C / 32 to 662°F	1%±1.5°C
Wavelength range:	8 to 14µm	
Humidity range:	0 to 100%RH	
Humidity accuracy:	±3.5% (20% to 80%)	
Dew point temperature:	-30 to 100°C / -22 to 212°F	
D:S:	20:1	

6. Battery Replacement
Open the battery cover, remove the battery, put in the new 9V battery and then close the battery cover.