



## DT-279

This is a multi-function meter, with temperature and humidity detection, infrared temperature measurement, laser distance, wood moisture measurement (pin and pinless), flashlights, time settings and data recording and other functions. It is a powerful and versatile instrument for measuring and diagnosing moisture of building and building materials. With 8 buttons, the operation is simple, the interface is bright and beautiful, and the function is powerful.



| Specifications           |                                   |            |   |
|--------------------------|-----------------------------------|------------|---|
| Thermal Imager           |                                   |            |   |
| IR resolution            | 80x80 pixels                      |            |   |
| Field of View (FOV)      | 21 x 21                           |            |   |
| Thermal sensitivity/NETD | < 0.08°C /80mK                    |            |   |
| Image frequency          | 50Hz                              |            |   |
| Object temperature range | range: -20 to 200°C (-4 to 392°F) |            |   |
| Spectral range           | 8-14 μm                           |            |   |
| Color palettes           | IRON/Rainbow/Grey/Grey Inverted   |            |   |
| Accuracy                 | ±2°C (±3.6°F) or ±2% of reading   |            |   |
| Functions                |                                   |            |   |
| Function                 | Range                             | Resolution | Accuracy                                      |
| Wood moisture            | 0~99.9                            | 0.1        | ±5  |
| laser distance range     | 0.11m - 50m                       | 0.001m     | ±1.5mm  |
| Temperature              | -20 °C to 70 °C<br>(-4 to 158 °F) | 0.1 °C     | ±2°C  |
| Humidity                 | 0~100%RH                          | 0.1%RH     | ±3.5%RH(20~80%RH)<br>±5%RH(0~20%RH/80~100%RH) |

## Features

- Built-in Thermal Imager design quickly identifies hot spots without contact
- Quickly indicates the moisture content of materials with Pinless technology without damaging the surface;
- Optional remote Pin-type probe allows for moisture readings at different Penetration levels (3ft/0.9m cable length)
- Designed with patented IR design to measure non-contact surface temperature; 8:1 distance to spot ratio with 0.95 fixed emissivity.
- Built-in Humidity/Temperature sensor measures Relative Humidity,
- Air Temperature plus grains per pound (GPP) and dew point (DP)
- Automatic calculation of differential Temperature (IR - DP)
- Auto power off and low battery indication
- Keep data convenient and easy to access each record with single deletion and total deletion
- Laser distance measurement is fast response and high accuracy. It can measure length, area and volume
- Color, graphical interface, simple operation, easy to understand icons, beautiful interface

**Accessories:** 4 x "AAA" battery and Sensor probe, Gift box with carrying case.