



Hand-Held Thermo Hygrometer

Code: [506-150](#)

Product Group: [Humidity measurement](#)

Remote or integral % RH & temperature probe. Displays max/min humidity or temperature. Optional backlit display.

The therma-hygrometer is an easy to use, relative humidity and air temperature measuring instrument.

The units measure % RH over the range of 0 to 100 % RH with a resolution of 0.1 % RH and temperature over the range of -20°C to 70°C with a resolution of 0.1 °C

It incorporates a custom LCD, displaying % RH, °C/°F, dew point indication, max/min and hold. There is an automatic display of both open circuit and low battery. The 506-150 display's the temperature and humidity at the push of a button separately.

The 506-150 is powered by three AAA batteries with a minimum life expectancy of 10,000 hours. An auto power off facility turns the therma-hygrometer off automatically after ten minutes, maximising battery life.

This hand-held battery operated instrument is operated by a single keypad button. It is suitable for a wide variety of applications where fast and accurate measurements of relative humidity and temperature are required. The probe is connected to the display unit via a one metre flexi-cable which enables its measurements to be taken in areas where access is limited.

Specification

| Specification | Temperature | Humidity |
|---------------|----------------|----------------------|
| Range | -20 to 70 °C | 0 to 100 %rh |
| Resolution | 0.1 °C/°F | 0.1 %rh |
| Accuracy | ±1 °C ±1 digit | ± 2 % (10 to 90 %rh) |
| Hysteresis | n/a | ± 1 %rh |

Product Sheet

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|--------------|-------------------------------|---------------------|
| Sensor type | Silicone bandgap | Capacitance polymer |
| Battery | 3 x 1.5-volt AAA | |
| Battery life | Minimum 5 years (10000 hours) | |
| Display | 12 mm LCD | |
| Dimensions | 25 x 56 x 128 mm | |
| Weight | 130/160 grams | |