

TES

Reliable in Quality

TES-1160/1161 Thermo / Hygro / Barometer

- ☐ Triple LCD displays Barometric pressure, Temperature, and Relative humidity
- ☐ Dew point and Wet bulb temperature reading
- ☐ Absolute humidity, Mixing ratio and Enthalpy reading
- ☐ Water vapor pressure and Water saturation pressure reading
- ☐ Pressure trend and tendency (P3h) reading
- ☐ Heat Index and Humidex reading





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FEATURES

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- ☐ Pressure trend and tendency (P3h) reading.
- ☐ Heat Index and Humidex reading.
- ☐ MAX/MIN with Time Stamp.
- ☐ Comparator function.
- ☐ Alarm output function.
- ☐ Auto power off function.
- ☐ Data Hold function.
- ☐ Manual data memory and read function.
- ☐ Auto data logger function. (1161)
- ☐ USB Interface. (1161)

SPECIFICATIONS

Measurement Range	Humidity : 1% to 99%R.H. Temperature : -20°C to + 60°C (-4°F to +140°F) Atmospheric pressure : 300 to 1200hPa
Resolution	0.1% R.H., 0.1°C, 0.1°F, 0.1hPa
Accuracy	Temperature : $\pm 0.8^{\circ}\text{C}$, $\pm 1.5^{\circ}\text{F}$ Humidity : $\pm 3\%\text{RH}$ (at 25°C, 30 to 80% RH). $\pm 5\%\text{RH}$ (at 25°C, 0 to 20% RH and 80 to 100% RH). Atmospheric pressure : $\pm 2\text{hPa}$ at 25°C
Sensor type	Humidity : Precision capacitance sensor Temperature : Thermistor sensor Atmospheric pressure : Piezoresistive pressure sensor
Response time	Humidity : 45%R.H. to 95% R.H. $\leq 1\text{min}$ 95%R.H. to 45%R.H. $\leq 3\text{min}$ Temperature : 10°C/2 sec.
Sampling rate	1 sample/second.
Data Memory Capacity	99 sets. (Direct reading from LCD display)
Data Logger Capacity	microSD CARD 4GB (1161)
Operating temperature and humidity	0°C to 60°C, below 95% R.H.
Storage temperature and humidity	-10°C to 60°C, below 70% R.H.
Power supply	006P 9V or IEC6F22, NEDA 1604 battery
Battery life	Approx. 100hours
Dimensions	250×64×24.5mm (9.84"×2.52"×0.96")
Weight	Approx. 200g (7.05oz)
Accessories	Instruction manual, Battery, CD software (1161), Micro-USB cable (1161).
Optional Accessory	AC adaptor DC9V (1161)

